Appendix K

Dose Calculations and Hazard Quotients for Functional Groups/Sensitive Species

CONTENTS

K-1. EBSL EXPOSURE EQUATIONS AND PARAMETER DATA BASE K-1

K-1.1 EBSL Development K-1

K-1.1.1 Development of EBSLs for Nonradionuclide Contaminants K-1
K-1.1.2 Development of EBSLs for Radionuclide Contaminants K-5

K-1.2 EBSL Parameter Input Values K-9

K-1.2.1 Diet (PV, PP, PS) K-10
K-1.2.2 Body Weight K-10
K-1.2.3 Food and Water Ingestion Rates (IR, WI) K-17
K-1.2.4 Exposure Duration K-18
K-1.2.5 Site Use Factor K-18
K-1.2.6 Bioaccumulation Factors K-18

K-1.3 Toxicity Reference Values K-20

K-1.4 Summary and EBSLS Presentation K-21

K-2. EXPOSURE MODEL INPUT VALUES K-24

K-2.1 Exposure Calculations for Nonradiological Contaminants – Equation 7-8 ..... K-24

K-2.2 Hazard Quotient Calculation (HQ)—Equation 7-13 ..... K-24

K-3. DOSE CALCULATIONS AND HAZARD QUOTIENTS FOR FUNCTIONAL GROUPS/SENSITIVE SPECIES K-25

K-4. DATA TABLES K-78

K-5. REFERENCES K-171

TABLES

K-1-1. Parameter defaults and assumptions for EBSL calculations K-11

K-1-2. Parameter input values for EBSL calculations K-12

K-1-3. Summary of EBSL input values and literature sources for dietary parameters (PP, PV and PS) K-14

K-1-4. Summary of EBSL body weight input values K-16

K-1-5. Summary of EBSL input values and equations for calculation of food ingestion for groups and individuals K-19

K-1-6. Overall minimum EBSLs in soil for radionuclide dose K-21

K-1-7. Minimum EBSL for nonradionuclide contaminants K-22

K-3-1. Calculated dose and hazard quotient from nonradionuclides (mg/kg-d) at CFA-01 ..... K-26

K-3-2. Calculated dose and hazard quotient from nonradionuclides (mg/kg-d) at CFA-02. ..... K-30

K-3-3. Calculated dose and hazard quotient from nonradionuclides (mg/kg-d) at CFA-04 ..... K-36

K-3-4. Calculated dose and hazard quotient from nonradionuclides (mg/kg-d) at CFA-05 ..... K-42

K-3-5. Calculated dose and hazard quotient from nonradionuclides (mg/kg-d) at CFA-06 ..... K-46

K-3-6. Calculated dose and hazard quotient from nonradionuclides (mg/kg-d) at CFA-08 ..... K-48

K-3-7. Calculated dose and hazard quotient from nonradionuclides (mg/kg-d) at CFA-10 ..... K-52

K-3-8. Calculated dose and hazard quotient from nonradionuclides (mg/kg-d) at CFA-13 ..... K-56

K-3-9. Calculated dose and hazard quotient from nonradionuclides (mg/kg-d) at CFA-15 ..... K-60

K-3-10. Calculated dose and hazard quotient from nonradionuclides (mg/kg-d) at CFA-17/47 .... K-62

K-3-11. Calculated dose and hazard quotient from nonradionuclides (mg/kg-d) at CFA-31 ..... K-64

K-3-12. Calculated dose and hazard quotient from nonradionuclides (mg/kg-d) at CFA-43 ..... K-66

K-3-13. Calculated dose and hazard quotient from nonradionuclides (mg/kg-d) at CFA-44 ..... K-68

K-3-14. Calculated dose and hazard quotient from nonradionuclides (mg/kg-d) at CFA-48 ..... K-70

K-3-15. Calculated dose and hazard quotient from nonradionuclides (mg/kg-d) at CFA-51 ..... K-72

K-3-16. Calculated dose and hazard quotient from TPH (mg/kg-d) at various CFA sites K-74

K-4-1. Data summary for analytes at CFA-01. Raw data is available in Trippet et al. 1995..... K-78

K-4-2. Maximum concentrations of samples taken from 0 to 10 ft depth inorganic compounds detected (mg/kg) in CFA landfills II (CFA-02) and III (CFA-03) cover soils K-80

K-4-3. Maximum concentration from samples taken 0-10 ft of organic compounds detected (mg/kg) in CFA Landfills II (CFA-02) and III (CFA-03) cover soils..... K-81

K-4-4. Data for CFA-21 ..... K-82

K-4-5. Data for CFA-23 ..... K-85

K-4-6. Data for CFA-24 ..... K-88

K-4-7. Data for CFA-25 ..... K-91

K-4-8. Data for CFA-26 ..... K-93

K-4-9. Data for CFA-27 ..... K-123

K-4-10. Data for CFA-28 ..... K-125

K-4-11. Data for CFA-29 ..... K-127

K-4-12. Data for CFA-30 ..... K-128

K-4-13. Data for CFA-31 ..... K-129

K-4-14. Data for CFA-32 ..... K-136

K-4-15. Data for CFA-34 ..... K-138

K-4-16. Data for CFA-37 ..... K-140

K-4-17. Data for CFA-38 ..... K-153

K-4-18. Summary of contaminant concentrations at CFA-40 ..... K-161

K-4-19. Summary of contaminant concentrations at CFA-41 ..... K-162

K-4-20. CFA-48 chemical washout area validated Track 2 sampling and analysis results K-163

K-4-21. Data for CFA-50 ..... K-164

Appendix K

EBSL Calculations and Parameters Input Values

K-1. EBSL EXPOSURE EQUATIONS AND PARAMETER DATA BASE

A need was identified for a method to quickly screen sites based on ecologically based values that would remain protective of all receptors potentially present at a site. Basic similarity in receptors across the facility makes it possible to develop INEEL-wide screening levels. The use of INEEL-specific ecologically based screening levels (EBSLs) provides a rational, consistent approach for allowing initial contaminant screening at each site within a WAG.

The purpose of this section is to document the exposure equations, receptors (functional groups), input parameters, and toxicity reference values (TRVs) used to calculate EBSLs for receptors at WAG 4. EBSLs are defined as concentrations of contaminants of potential concern (COPCs) in soil (or other media) that are not expected to produce any adverse effects to selected ecological receptors under chronic exposure conditions. These EBSLs are INEEL specific and are not applicable to other sites. The report compilations are limited to species and contaminants identified as present at the INEEL, and all values were specifically derived based on environmental conditions specific to the INEEL.

Section K-1.1 presents development of EBSLs equations used for both nonradionuclide and radionuclide contaminants at the INEEL. All subsequent information was compiled in such a form as to support the functional grouping approach at the INEEL. Section K-1.2 presents the compilation of input parameters used in the EBSL equations. Section K-1.3 presents the TRVs used to evaluate potential adverse effects to ecological receptors. Section K-1.4 presents the EBSLs calculated for nonradionuclide and radionuclide contaminants.

K-1.1 EBSL Development

EBSLs are calculated by inverting the exposure equations as discussed in this section. Intake or exposure of ecological receptors to contaminants in the environment is generally calculated using basic foodweb models. In the risk assessment process these intake values are compared to TRVs to provide an evaluation of the potential effects to receptors. Manipulation of these equations allows the calculation of a contaminant concentration in a medium that would not be potentially harmful to the receptors with chronic exposure.

INEEL sites potentially contain both radionuclide and nonradionuclide contamination. Determining exposure to each of these types of contaminants requires different modeling. The approaches used to calculate EBSLs for either exposure to nonradionuclides or radionuclides are presented in the following sections.

K-1.1.1 Development of EBSLs for Nonradionuclide Contaminants

K-1.1.1.1 EBSLs for Soil/Sediment Exposure. The major pathways of contaminant exposure at the INEEL include soil/food and water ingestion. Exposure to contamination is expected to occur primarily via direct soil ingestion and food chain biotransfer (i.e., consumption of plant and animal matter

containing chemicals derived from soil). Thus, Equation (K-1) is a general exposure equation for receptors.

$$EE_{soil/food} = \frac{[(PP \times C_p) + (PV \times C_v) + (PS \times C_s)] \times IR \times SUF \times ED}{BW} \quad \text{(K-1)}$$

where

$EE_{soil/food}$	=	estimated intake from ingestion of food and soil (mg/kg body weight-day)
PP	=	percent of diet represented by prey ingested (kg prey/kg diet)
C_p	=	concentration of COPC in prey item ingested (mg/kg prey)
PV	=	percent of diet represented by vegetation ingested (kg vegetation/kg diet)
C_v	=	concentration of COPC in vegetation ingested (mg/kg vegetation)
PS	=	percent of diet represented by soil (kg soil/kg diet)
C_s	=	concentration of COPC in soil (mg/kg soil)
IR	=	total food ingestion rate (kg dry weight/day)
SUF	=	site use factor (affected area/receptor home range [unitless]); defaulted to 1.0 for EBSL calculation
ED	=	exposure duration (fraction of year spent in the affected area [unitless]); defaulted to 1.0 for EBSL calculation
BW	=	receptor-specific body weight (kg).

Equation (K-2) estimates the concentration of COPCs in prey items (C_p).

$$C_p = C_s \times BAF \quad \text{(K-2)}$$

where

C_p	=	concentration of COPC in prey item ingested (mg/kg prey)
C_s	=	concentration of COPC in soil (mg/kg soil)
BAF	=	prey-specific bioaccumulation factor (mg COPC/kg in tissue/mg COPC/kg soil).

The concentration of COPCs in vegetation (C_v) was estimated using the Equation (K-3).

$$C_v = C_s \times PUF \quad \text{(K-3)}$$

where

C_v	=	concentration of COPC in vegetation ingested (mg/kg vegetation)
C_s	=	concentration of COPC in soil (mg/kg soil)
PUF	=	plant uptake factor (mg COPC/kg plant tissue/mg COPC/kg soil).

Equation (K-4) combines the previous equations, thus the exposure equation can be rewritten as:

$$EE_{soil/food} = \frac{C_s \times [(PP \times BAF) + (PV \times PUF) + (PS)] \times IR}{BW} \quad \text{(K-4)}$$

where all parameters are as previously defined.

To calculate EBSLs for screening against nonradiological soil contamination concentrations, the target hazard quotient (THQ) will be determined. This is defined as a quantitative method for evaluating potential adverse impacts to exposed populations, and is calculated in Equation (K-5).

$$THQ = \frac{EE_{soil/sediment}}{TRV} \quad \text{(K-5)}$$

where

THQ	=	target hazard quotient (unitless), established at 1.0 for nonradionuclide contaminate exposure
$EE_{soil/sediment}$	=	estimated exposure from soil and/or sediment (mg/kg body weight-day)
TRV	=	contaminant-specific toxicity reference value (mg/kg-day).

Thus, solving for the concentration of the nonradionuclide contaminant in the soil (Cs) and assuming that when THQ equals 1 that $EE_{soil} = TRV$. The EBSL for contaminant in the soil is calculated using the Equation (K-6).

$$NR - EBSL_{soil} = \frac{TRV \times BW}{[(PP \times BAF) + (PV \times PUF) + (PS)] \times IR} \quad \text{(K-6)}$$

where

$NR\text{–}EBSL_{soil}$	=	WAG-specific EBSL for non-radionuclide contaminants in soil (mg/kg).

Exposure parameters including dietary composition (percent soil [PS], percent prey [PP], and percent vegetation [PV]), home range, temporal and spatial habitat use data (site use factor [SUF] and exposure duration [ED]), soil ingestion rate, food ingestion rate (IR), body weight (BW) and uptake factors (bioaccumulation factors [BAFs], and plant uptake factors [PUFs]) are input to calculate the EBSL. The input values for calculating EBSLs for each functional group/contaminant combination assume that members of the functional groups are exposed to stressors to the maximum extent, perhaps beyond what is actually expected. For example, it is assumed that a raptor captures 100% of its prey from

a contaminated site, and that all the prey are exposed to maximum contaminant concentrations at the site. This is similar to the human risk assessment concept of the "maximally exposed individual," a hypothetical individual who is assumed to live and grow his own food at a location of maximum exposure to a stressor. Each parameter is discussed in Appendix K3 in more detail.

K-1.1.1.2 EBSLs for Water Ingestion Exposure. If potentially contaminated surface water exists, the first step was to compare any observed effluent concentrations against water quality criteria or benchmarks that exist in the literature. If the effluent concentration exceeds the benchmark or if no benchmark currently exists, an EBSL for water ingestion was calculated. This EBSL is only applicable for those species that may be obtaining drinking water for terrestrial species. They are not applicable as benchmarks for the health of aquatic invertebrate or other species that might eventually use the surface water. Equation (K-7) is the general equation for dose in mg/kg body weight-day from water ingestion.

$$EE_{water} = \frac{CW \times WI \times ED \times SUF}{BW} \qquad \text{(K-7)}$$

where

EE_{water}	=	estimated intake from ingestion of food and water (mg/kg bodyweight-day)
CW	=	contaminant concentration in water (mg/L)
WI	=	water ingestion rate (L/day).

The water ingestion is found in Equations K-8 and K-9 (EPA 1993).

$$WI = 0.099\ BW^{0.90}\ \textit{(for all mammals)} \qquad \text{(K-8)}$$

$$WI = 0.059\ BW^{0.67}\ \textit{(for all birds)} \qquad \text{(K-9)}$$

where body weight is in units of kg.

To calculate EBSLs for screening against nonradiological soil contamination concentrations, the THQ will be determined. This is defined as a quantitative method for evaluating potential adverse impacts to exposed populations, and is calculated by Equation (K-10).

$$THQ = \frac{EE_{water}}{TRV} \qquad \text{(K-10)}$$

where

THQ	=	target hazard quotient (unitless), established at 1.0 for nonradionuclide contaminate exposure
EE_{water}	=	estimated exposure from water (mg/kg body weight-day)
TRV	=	contaminant-specific toxicity reference value (mg/kg-day).

Thus, solving for the concentration of the nonradionuclide contaminant in the water and assuming that when THQ equals 1 that EE_{water} = TRV. ED and SUF are defaulted to 1.0 and therefore are dropped from the equation.

$$EBSL_{water} = \frac{TRV \times BW}{WI} \tag{K-11}$$

Because of the complexity of water ingestion by reptiles, no general reptilian water ingestion equation is available. It was generally assumed that desert reptiles, such as those found at the INEEL, get their water from prey. Plant uptake of contaminated surface water is also not considered.

K-1.1.2 Development of EBSLs for Radionuclide Contaminants

The method used for relating the amount of radiation to specific biological effects is the radiation dose rate, which is a measure of the amount of radiation energy that is dissipated in a given volume of living tissue. Radionuclide exposure can occur from both external contact and internal ingestion. These issues will be presented separately.

K-1.1.2.1 Internal Radiation Dose Rate from Soil Exposure. Internal radiation dose rate estimates are calculated by assuming that the steady-state whole body concentration is equivalent to the steady-state concentration of radionuclides in reproductive organs using Equation (K-12). This is as presented in IAEA (1992).

$$DR_{internal} = \frac{TC \times ED \times SUF \times ADE \times FA \times 3200\ dis/day\text{ - }pCi}{6.24 \times 10^9\ MeV/g\text{ - }Gy} \tag{K-12}$$

where

$DR_{internal}$	=	internal radiation dose rate estimate (Gy/day)
TC	=	tissue radionuclide concentration (pCi/g)
ED	=	exposure duration (fraction of year spent in affected area) (unitless)
SUF	=	site use factor (affected area/receptor home range [unitless]; defaulted to 1.0 for EBSL calculation
ADE	=	average decay energy per disintegration (MeV/dis)
FA	=	fraction of decay energy absorbed (unitless)

Since tissue levels of radionuclides are derived by multiplying the concentration of radionuclide in soil by a radionuclide-specific concentration factor (CF) for all terrestrial animals or terrestrial plants, the above equation can be rewritten as Equation (K-13).

$$DR_{internal} = \frac{CS \times CF \times ED \times ADE \times FA \times 3200\ dis/day\text{ - }pCi}{6.24x10^9\ MeV/g\text{ - }Gy} \tag{K-13}$$

where

CS	=	concentration of contaminant in soil ingested (pCi/g)
CF	=	concentration factor (unitless).

Solving for the concentration of contaminant in soil (CS) and redefining this concentration as an EBSL, the EBSL for internal consumption of radiological contaminants from contaminated soil media is estimated using the Equation (K-14).

$$EBSL_{internal} = \frac{TRV \times 6.24 \times 10^{9}\ MeV/g\text{-}Gy}{CF \times ED \times ADE \times FA \times 3200\ dis/day\text{-}pCi} \qquad \text{(K-14)}$$

where

$EBSL_{internal}$	=	internal ecological based screening level for radionuclides in soil (pCi/g)
TRV	=	toxicity reference value (Gy/day).

Assumptions used in the calculation of the ADE values were for radiations whose energy would be deposited in small tissue volume (ß,a), the FA was set equal to 1. For gamma radiation, the FA was conservatively set equal to 0.3 (30%). This assumption was assumed to be conservative (IAEA 1992). Only radiations with an intensity of 1% or greater were considered, and Auger and conversion electrons were not considered. The ADE values were calculated using Equation (K-15) (Kocher 1981):

$$ADE = \sum_{i=1}^{n} Y_i\ E_i \qquad \text{(K-15)}$$

where

ADE	=	average decay energy per disintegration (MeV/dis)
Y_i	=	yield or intensity
E_i	=	energy of radiation, for ß = average energy.

CFs for radionuclides are discussed in Appendix J. For EBSL development the CF values for animals are assumed to be 1 for contaminants and receptors unless the reported value is greater (in this case the larger value was used). This is a conservative assumption used to develop screening level values.

K-1.1.2.2 Internal Radiation Dose Rate from Water Ingestion. Water ingestion of radionuclides may occur and will be assessed by using a differential equation [Equation (K-16)].

$$\frac{dTC}{dt} = I - \lambda_1(TC) - \lambda_2(TC) - L \qquad \text{(K-16)}$$

where

TC	=	tissue concentration (pCi/g tissue)
I	=	intake [(pCi/L)(L/g tissue-day)]
λ_1	=	radiological decay constant (1/day)

λ_2 = biological loss constant (1/day)

L = other loss (e.g., through urination) [(pCi/L)(L/g tissue-day)].

Conservatively assuming L = 0 and solving for TC at equilibrium (i.e., dTC/dt = 0) gives Equation (K-17).

$$TC = \frac{I}{\lambda_1 + \lambda_2} \tag{K-17}$$

The daily ingestion rate of the radionuclide from water, I, is calculated using Equation (K-18).

$$I = \frac{CW \times WI}{BW \times 1{,}000\ g/kg} \tag{K-18}$$

where

I = intake [(pCi/L)(L/kg tissue-day)]

CW = concentration of the radionuclide in water (pCi/L)

WI = water ingestion rate (L/d)

BW = body weight (kg).

So the tissue concentration due to water ingestion determined by Equation (K-19).

$$TC = \frac{CW \times WI}{BW \times (\lambda_1 + \lambda_2) \times 1{,}000\ g/kg} \tag{K-19}$$

The water ingestion is found using Equations (K-8) and (K-9).

Multiplying this equation by (ED × ADE × FA × 3200)/6.24 × 10^9) results in a dose rate analogous to that calculated in Equation (K-13). Solving for the concentration of CW and redefining this concentration as an EBSL, the EBSL for water ingestion of radiological contaminants from contaminated water media is estimated using the Equation (K-20).

$$EBSL_{water} = \left[TRV \times BW \times (\lambda_1 + \lambda_2) \times 1000 \times 6.24 \times 10^9\right] / (WI \times ED \times ADE \times FA \times 3200). \tag{K-20}$$

where:

$EBSL_{water}$ = ecologically based screening level for radionuclide ingestion from water (pCi/L).

K-1.1.2.3 External Radiation. External dose rate EBSLs are derived using formulas outlined in Shleien (1992). Dose rate to tissue in an infinite medium uniformly contaminated by a gamma emitter is calculated by Equation (K-21).

$$DR_{external} = \frac{2.12 \times ADE \times C}{\rho} \quad \text{(K-21)}$$

where

$DR_{external}$	=	external dose rate to tissue (rads/hr)
ADE	=	average gamma decay energy per disintegration (MeV/dis)
C	=	concentration of contaminant (mCi/cm^3)
ρ	=	density of the medium (g/cm^3).

Solving the equation for the concentration in soil (C) assuming an acceptable dose to animals is 1 mGy/day (0.1 rad/day, which is equal to 4.12E-03 rad/hr) (IAEA 1992) and redefining this concentration as an EBSL, the EBSL for external dose from radiological contaminants in soil is estimated using Equation (K-22).

$$EBSL_{external} = \frac{DR_{external} \times 10^6 \ pCi/mCi}{2.12 \times ADE} \quad \text{(K-22)}$$

where

$EBSL_{external}$	=	ecologically based screening level for external exposure to radionuclides in soil (pCi/g)
$DR_{external}$	=	external dose rate to tissue (rads/hr)
ADE	=	average gamma decay energy per disintegration (MeV/dis).

This equation conservatively estimates the dose to burrowing terrestrial functional groups (AV210A, AV222A, M122A, M210A, and M422). This equation also conservatively reflects that these functional groups spend 100% of their time with external exposure. For the nonburrowing functional groups, it is conservatively assumed that they are exposed to 50% (hemisphere) of radiation.

The dose rate for use in the external EBSL calculation is 4.12E-03 rads/hr as discussed above. Contaminant-specific average decay energies and FA values for the radionuclides of concern (Grove Engineering 1996) are presented below:

MeV/Dis:

	α	β	γ
• Ag-108m	0.00E+00	0.00E+00	1.62E+00
• Am-241	5.48E+00	0.00E+00	2.23E-02
• Ba-133	0.00E+00	0.00E+00	4.02E-01
• Bi-212	0.00E+00	2.21E+00	2.39E+00

	α	β	γ
• Bi-214	0.00E+00	6.44E-02	1.48E+00
• Co-60	0.00E+00	9.57E-00	2.50E+00
• Cs-134	0.00E+00	1.57E-01	1.55E+00
• Eu-152	0.00E+00	5.71E-01	1.30E+00
• Eu-154	0.00E+00	2.33E-01	1.19E+00
• Mn-54	0.00E+00	0.00E+00	8.35E-01
• Pa-234m	0.00E+00	8.20E-01	1.14E-02
• Pb-212	0.00E+00	9.95E-02	1.17E-01
• Pb-214	0.00E+00	2.19E-01	2.29E-01
• Pu-238	5.49E+00	0.00E+00	2.78E-05
• Pu-239	5.15E+00	0.00E+00	5.66E-05
• Ra-226	4.77E+00	0.00E+00	6.10E-03
• Sr-90	0.00E+00	5.83E-01	0.00E+00
• Th-234	0.00E+00	4.45E-02	8.06E-03
• Tl-208	0.00E+00	1.60E+00	2.61E+00
• U-234	4.76E+00	0.00E+00	1.49R-01
• U-235	4.28E+00	0.00E+00	1.36E-01
• U-238	4.20E+00	0.00E+00	3.47E-05
• Zn-65	0.00E+00	2.03E-03	5.66-01
• Zr-95	0.00E+00	1.16E-01	8.00E-01

K-1.2 EBSL Parameter Input Values

EBSLs were calculated using the models presented in this appendix and species-specific input values (PV, PP, PS, IR, WI, BW, ED, SUF) compiled from the literature. Exposures for each functional group or species incorporate best estimates to reflect species-specific life history and feeding habits. Defaults and assumptions for selecting EBSL soil/sediment and drinking water model input values are

given in Table K-1-1. Finalized parameter input values used to model contaminant intake through consumption of food or water by functional groups and individual species evaluated as part of the initial ERA screenings are presented in Table K-1-2. These values have been explicitly developed to reflect INEEL contaminant issues. Individual parameter values and literature sources are discussed in the following subsections.

K-1.2.1 Diet (PV, PP, PS)

Group and individual species diets are represented in the EBSL equations by the sum of three parameters (percent vegetation [PV], percent prey [PP], and percent soil [PS]), constrained to equal 100%. For herbivores, PV is represented by 1 – PS, (where PP = 0). No distinction was made between the types of vegetation consumed. Although some primarily herbivorous species may consume a small percent of its diet as insect prey, this was considered in the trophic assignment as part of the functional grouping criteria (VanHorn et al. 1995).

For carnivores, PP is represented by 1 – PS, (where PV = 0). Values for the fraction of overall diet represented by prey were taken from species specific or representative species diets as reported in the literature.

Dietary composition for omnivores is represented by (PV-PS/2) + (PP-PS/2) + PS = 1 unless PP or PV are 10% or less, in which case, PS was subtracted from the greater of the two. Dietary profiles for functional groups were based on diets for representative species developed from studies conducted at the INEEL and other regional locations (noted on Table K-1-3). Since most dietary studies report only in terms of prey or vegetation material, the dietary fraction comprised of soil was evenly subtracted from prey and vegetation fractions of the diet to account for inclusion of ingested soil without exceeding 1. The number of individual species comprising prey was not considered; however, the contribution of prey items to overall diet was based on relative biomass rather than the most numerous individual components. Dietary composition for functional groups is represented by the species having the largest PS within that group.

The values for PS were taken primarily from soil ingestion data presented by Beyer et al. (1994). Species for which values were presented in Beyer et al. (1994) are limited, so soil ingestion values were assigned using professional judgement to match dietary habits with species most similar to INEEL species.

Finalized EBSL dietary input values and literature sources for functional groups and individual species are presented on Table K-1-3. Further refinement in the diet of individual species and functional groups is beyond the scope of both screening and WAG-level ERA. More detailed dietary models will be implemented in the OU 10-04 ERA (Appendix D1).

K-1.2.2 Body Weight

Body weights (BWs) for mammals, amphibians, and reptiles were extracted from numerous local and regional studies. Body weights for birds were taken primarily from Dunning (1993) unless local or regional values were available. Values were chosen in order of preference for study locale: (1) INEEL, (2) Idaho, (3) Regional (sagebrush steppe in Washington, Oregon, Wyoming, Nevada and northern Utah), and (4) U.S.-wide. Where no distinction in sex was reported, mean adult weights were used. In cases where only separate means for male and female were reported, the average of the two was calculated. In cases where only a range in weights could be found, a median value was used. Functional group weight represents the smallest individual species body weight in the group. Finalized body weights for functional groups and individual EBSL calculations and literature sources are given on Table K-1-4.

Table K-1-1. Parameter defaults and assumptions for EBSL calculations.

Parameter	EBSL Soil/Sediment Calculations	EBSL Water Calculations
PV	Herbivores – 100 minus PS Insectivores – 0 Carnivores – 0 Omnivores - PV from literature minus PS/2	N/A
PP	Herbivores – 0 Insectivores – 100 minus PS Carnivores – 100 minus PS Omnivores - PP from literature minus PS/2.	N/A
PS	The highest value (i.e., greatest exposure) was selected from species within functional group. Individual species evaluated using values as presented.	N/A
IR	Allometric equations from Nagy (1987). The largest IR/BW ratio was used from the species within a functional group.	N/A
WI	N/A	Allometric equations for birds and mammals (EPA 1993). The largest WI/BW ratio was selected from species within each functional group.
BW	The smallest BW/IR ratio was selected from species within each functional group.	The smallest BW/WI ratio (smallest BW) was selected from species within each functional group
ED	Defaulted to 1.	Defaulted to 1.
SUF	Defaulted to 1.	Defaulted to 1.

Table K-1-2. Parameter input values for EBSL calculations.

Functional Groups	PP	PV	PS	SUF	ED
Amphibians (A232)	9.41E-01	0.00E+00	5.90E-02	1.00E-00	1.00E-00
Avian herbivores (AV121)	0.00E+00	9.90E-01	1.00E-02	1.00E-00	1.00E-00
Avian herbivores (AV122)	0.00E+00	9.07E-01	9.30E-02	1.00E-00	1.00E-00
Avian herbivores (AV132)	0.00E+00	8.20E-01	1.80E-01	1.00E-00	1.00E-00
Avian herbivores (AV142)	0.00E+00	9.18E-01	8.20E-02	1.00E-00	1.00E-00
Trumpeter swan	0.00E+00	9.18E-01	8.20E-02	1.00E-00	1.00E-00
Avian herbivores (AV143)	0.00E+00	9.18E-01	8.20E-02	1.00E-00	1.00E-00
Avian insectivores (AV210)	9.80E-01	0.00E+00	2.00E-02	1.00E-00	1.00E-00
Black tern	9.80E-01	0.00E+00	2.00E-02	1.00E-00	1.00E-00
Avian insectivores (AV210A)	9.70E-01	0.00E+00	3.00E-02	1.00E-00	1.00E-00
Avian insectivores (AV221)	9.70E-01	0.00E+00	3.00E-02	1.00E-00	1.00E-00
Avian insectivores (AV222)	9.07E-01	0.00E+00	9.30E-02	1.00E-00	1.00E-00
Avian insectivores (AV222A)	9.07E-01	0.00E+00	9.30E-02	1.00E-00	1.00E-00
Avian insectivores (AV232)	8.20E-01	0.00E+00	1.80E-01	1.00E-00	1.00E-00
Avian insectivores (AV233)	8.20E-01	0.00E+00	1.80E-01	1.00E-00	1.00E-00
White-faced ibis	8.90E-01	0.00E+00	1.10E-01	1.00E-00	1.00E-00
Avian insectivores (AV241)	8.20E-01	0.00E+00	1.80E-01	1.00E-00	1.00E-00
Avian insectivores (AV242)	8.20E-01	0.00E+00	1.80E-01	1.00E-00	1.00E-00
Avian carnivores (AV310)	9.80E-01	0.00E+00	2.00E-02	1.00E-00	1.00E-00
Northern goshawk	9.80E-01	0.00E+00	2.00E-02	1.00E-00	1.00E-00
Peregrine falcon	9.80E-01	0.00E+00	2.00E-02	1.00E-00	1.00E-00
Avian carnivores (AV322)	9.80E-01	0.00E+00	2.00E-02	1.00E-00	1.00E-00
Bald eagle	9.80E-01	0.00E+00	2.00E-02	1.00E-00	1.00E-00
Ferruginous hawk	9.80E-01	0.00E+00	2.00E-02	1.00E-00	1.00E-00
Loggerhead shrike	9.80E-01	0.00E+00	2.00E-02	1.00E-00	1.00E-00
Avian carnivores (AV322A)	9.70E-01	0.00E+00	3.00E-02	1.00E-00	1.00E-00
Burrowing Owl	9.70E-01	0.00E+00	3.00E-02	1.00E-00	1.00E-00
Avian carnivores (AV333)	8.20E-01	0.00E+00	1.80E-01	1.00E-00	1.00E-00
Avian carnivores (AV342)	9.80E-01	0.00E+00	2.00E-02	1.00E-00	1.00E-00
Avian omnivores (AV422)	6.27E-01	2.80E-01	9.30E-02	1.00E-00	1.00E-00
Avian omnivores (AV432)	5.70E-01	2.50E-01	1.80E-01	1.00E-00	1.00E-00
Avian omnivores (AV433)	5.70E-01	2.50E-01	1.80E-01	1.00E-00	1.00E-00

Table K-1-2. (continued).

Functional Groups	PP	PV	PS	SUF	ED
Avian omnivores (AV442)	6.20E-01	2.70E-01	1.10E-01	1.00E-00	1.00E-00
Mammalian herbivores (M121)	0.00E+00	9.80E-01	2.00E-02	1.00E-00	1.00E-00
Mammalian herbivores (M122)	0.00E+00	9.37E-01	6.30E-02	1.00E-00	1.00E-00
Mammalian herbivores (M122A)	0.00E+00	9.23E-01	7.70E-02	1.00E-00	1.00E-00
Pygmy rabbit	0.00E+00	9.80E-01	2.00E-02	1.00E-00	1.00E-00
Mammalian herbivores (M123)	0.00E+00	9.23E-01	7.70E-02	1.00E-00	1.00E-00
Mammalian insectivores (M210)	9.80E-01	0.00E+00	2.00E-02	1.00E-00	1.00E-00
Mammalian insectivores (M210A)	9.80E-01	0.00E+00	2.00E-02	1.00E-00	1.00E-00
Townsend's western big-eared bat	9.90E-01	0.00E+00	1.00E-02	1.00E-00	1.00E-00
Small-footed myotis	9.90E-01	0.00E+00	1.00E-02	1.00E-00	1.00E-00
Long-eared myotis	9.90E-01	0.00E+00	1.00E-02	1.00E-00	1.00E-00
Mammalian insectivores (M222)	9.76E-01	0.00E+00	2.40E-02	1.00E-00	1.00E-00
Mammalian carnivore (M322)	9.23E-01	0.00E+00	7.70E-02	1.00E-00	1.00E-00
Mammalian omnivores (M422)	8.06E-01	1.00E-01	9.40E-02	1.00E-00	1.00E-00
Mammalian omnivores (M422A)	8.06E-01	1.00E-01	9.40E-02	1.00E-00	1.00E-00
Reptilian insectivores (R222)	9.76E-01	0.00E+00	2.40E-02	1.00E-00	1.00E-00
Sagebrush lizard	9.76E-01	0.00E+00	2.40E-02	1.00E-00	1.00E-00
Reptilian carnivores (R322)	9.52E-01	0.00E+00	4.80E-02	1.00E-00	1.00E-00
Plants	0.00E+00	0.00E+00	1.00E-00	1.00E-00	1.00E-00

Table K-1-3. Summary of EBSL input values and literature sources for dietary parameters (PP, PV and PS).

Functional Groups	PP	PV	PS	PS Model Species[a]
Amphibians (A232)	9.41E-01	0.00E+01	5.90E-02	Eastern painted turtle
Avian herbivores (AV121)	0.00E+00	9.90E-01	1.00E-02	Estimated
Avian herbivores (AV122)	0.00E+00	9.07E-01	9.30E-02	Wild turkey
Avian herbivores (AV132)	0.00E+00	8.20E-01	1.80E-01	Western sandpiper
Avian herbivores (AV142)	0.00E+00	9.18E-01	8.20E-02	Canada goose
Avian herbivores (AV143)	0.00E+00	9.18E-01	8.20E-02	Canada goose
Trumpeter swan	0.00E+00	9.18E-01	8.20E-02	Canada goose
Avian insectivores (AV210)	9.80E-01	0.00E+00	2.00E-02	Estimated
Black tern	7.50E-01	0.00E+00	2.00E-02	Estimated
Avian insectivores (AV210A)	9.70E-01	0.00E+00	3.00E-02	Burrowing owl
Avian insectivores (AV221)	9.70E-01	0.00E+00	3.00E-02	Burrowing owl
Avian insectivores (AV222)	9.07E-01	0.00E+00	9.30E-02	Wild turkey
Avian insectivores (AV222A)	9.07E-01	0.00E+00	9.30E-02	Wild turkey
Avian insectivores (AV232)	8.20E-01	0.00E+00	1.80E-01	Western sandpiper
Avian insectivores (AV233)	8.20E-01	0.00E+00	1.80E-01	Western sandpiper
White-faced ibis	8.90E-01	0.00E+00	1.10E-01	Western sandpiper
Avian insectivores (AV241)	8.20E-01	0.00E+00	1.80E-01	Western sandpiper
Avian insectivores (AV242)	8.20E-01	0.00E+00	1.10E-01	Wood duck
Avian carnivores (AV310)	9.80E-01	0.00E+00	2.00E-02	Wood duck
Northern goshawk	9.80E-01	0.00E+00	2.00E-02	Estimated
Peregrine falcon	9.80E-01	0.00E+00	2.00E-02	Estimated
Avian carnivores (AV322)	9.80E-01	0.00E+00	2.00E-02	Estimated
Bald eagle	9.80E-01	0.00E+00	2.00E-02	Estimated
Ferruginous hawk	9.80E-01	0.00E+00	2.00E-02	Estimated
Loggerhead shrike	9.80E-01	0.00E+00	2.00E-02	Estimated from burrowing owl
Avian carnivores (AV322A)	9.70E-01	0.00E+00	3.00E-02	Burrowing owl
Burrowing Owl	9.70E-01	0.00E+00	3.00E-02	Burrowing owl
Avian carnivores (AV333)	8.20E-01	0.00E+00	1.80E-01	Western sandpiper
Avian carnivores (AV342)	9.80E-01	0.00E+00	2.00E-02	NOT MODELED
Avian omnivores (AV422)[b]	6.27E-01	2.80E-01	9.30E-02	Wild turkey
Avian omnivores (AV432)[b]	5.70E-01	2.50E-01	1.80E-01	Western sandpiper
Avian omnivores (AV433)[b]	5.70E-01	2.50E-01	1.80E-01	Western sandpiper
Avian omnivores (AV442)[b]	6.20E-01	2.70E-01	1.10E-01	Wood duck
Mammalian herbivores (M121)	0.00E+00	9.80E-01	2.00E-02	Mule deer
Mammalian herbivores (M122)	0.00E+00	9.37E-01	6.30E-02	Black-tailed jackrabbit[c]
Mammalian herbivores (M122A)	0.00E+00	9.23E-01	7.70E-02	Black-tailed prairie dog
Pygmy rabbit	0.00E+00	9.80E-01	2.00E-02	Black-tailed prairie dog
Mammalian herbivores (M123)	0.00E+00	9.23E-01	7.70E-02	Black-tailed prairie dog
Mammalian insectivores[d] (M210)	9.80E-01	0.00E+00	2.00E-02	Beetle specialist
Mammalian insectivores[d] M210A)	9.80E-01	0.00E+00	2.00E-02	Beetle specialist
Townsend's western big-eared bat	9.90E-01	0.00E+00	1.00E-02	Moth specialist

Table K-1-3. (continued).

Functional Groups	PP	PV	PS	PS Model Species[a]
Small-footed myotis	9.90E-01	0.00E+00	1.00E-02	Moth specialist
Long-eared myotis	9.90E-01	0.00E+00	1.00E-02	Beetle specialist
Mammalian insectivores (M222)	9.76E-01	0.00E+00	2.40E-02	Meadow vole
Mammalian carnivore (M322)	9.23E-01	0.00E+00	7.70E-02	Black-tailed prairie dog
Mammalian omnivores[e] (M422)	8.06E-01	1.00E-01	9.40E-02	Raccoon
Mammalian omnivores[e] (M422A)	8.06E-01	1.00E-01	9.40E-02	Fox
Reptilian insectivores (R222)	9.76E-01	0.00E+00	2.40E-02	Meadow vole
Sagebrush lizard	9.76E-01	0.00E+00	2.40E-02	Meadow vole
Reptilian carnivores (R322)	9.52E-01	0.00E+00	4.80E-02	Fox plus 2%

a. From Beyer et al., 1994 unless otherwise noted.

b. Dietary composition percent prey and percent vegetation based on avian models from EPA 1993.

c. Arthur and Gates 1988.

d. Soil ingestion rates for bats were estimated based on primary prey life histories – Beetle strategists = 2% and moth strategists = 1%.

e. Dietary composition 90% prey and 10%vegetation based on INEEL data for the coyote (Johnson and Hansen 1979).

Table K-1-4. Summary of EBSL body weight input values.

Functional Groups	BW (kg)	Representative Species	Reference
Amphibians (A232)	8.00E-03	Boreal chorus frog	Steenhof 1983 (calculated from SVL[a] for spadefoot toads – 0.6 SVL)
Avian herbivores (AV121)	1.29E-02	American goldfinch	Dunning 1993 (mean adult)
Avian herbivores (AV122)	3.50E-03	Rufous hummingbird	Dunning 1993 (mean adult)
Avian herbivores (AV132)	7.46E-02	Sora	Dunning 1993 (mean adult)
Avian herbivores (AV142)	3.16E-01	Green-winged teal	Steenhof 1983 (mean adult)
Avian herbivores (AV143)	3.47E-01	Cinnamon teal	Steenhof 1983 (mean adult)
Trumpeter swan	1.09E+01	Trumpter swan	Dunning 1993 (mean adult)
Avian insectivores (AV210)	1.00E-02	Western flycatcher	Dunning 1993 (mean adult)
Black tern	6.53E-02	Black tern	Dunning 1993 (mean adult)
Avian insectivores (AV210A)	1.46E-02	Bank swallow	Dunning 1993 (mean adult)
Avian insectivores (AV221)	6.65E-03	Ruby-crowned kinglet	Dunning 1993 (mean adult)
Avian insectivores (AV222)	1.09E-02	House wren	Dunning 1993 (mean adult)
Avian insectivores (AV222A)	1.00E-02	Canyon wren	Steenhof 1983 (mean adult)
Avian insectivores (AV232)	2.32E-02	Least sandpiper	Dunning 1993 (mean adult)
Avian insectivores (AV233)	2.15E-02	Willet	Dunning 1993 (mean adult)
White-faced ibis	6.22E-01	White-faced ibis	Dunning 1993 (mean adult)
Avian insectivores (AV241)	8.10E-02	Lesser yellowlegs	Dunning 1993 (mean adult)
Avian insectivores (AV242)	2.12E-01	Bonaparte's gull	Dunning 1993 (mean adult)
Avian carnivores (AV310)	1.39E-01	Sharp-shinned hawk	Dunning 1993 (mean adult)
Northern goshawk	1.05E-00	Northern goshawk	Dunning 1993 (mean adult)
Peregrine falcon	7.82E-01	Peregrine falcon	Dunning 1993 (mean adult)
Avian carnivores (AV322)	4.25E-02	Loggerhead shrike	Fraser and Luukkonen 1986 (mean adult)
Bald eagle	4.74E-00	Bald eagle	Dunning 1993 (mean adult)
Ferruginous hawk	1.10E-00	Ferruginous hawk	Steenhof 1993 (mean adult)
Loggerhead shrike	4.25E-02	Loggerhead shrike	Fraser and Luukkonen 1986 (mean adult)
Avian carnivores (AV322A)	1.55E-01	Burrowing owl	Dunning 1993 (mean adult)
Burrowing Owl	1.55E-01	Burrowing owl	Dunning 1993 (mean adult)
Avian carnivores (AV333)	1.71E-01	Greater yellowlegs	Dunning 1993 (mean adult)
Avian carnivores (AV342)	7.06E-01	American bittern	Dunning 1993 (mean adult)
Avian omnivores (AV422)	8.02E-02	Scrub jay	Dunning 1993 (mean adult)
Avian omnivores (AV432)	3.16E-01	American avocet	Dunning 1993 (mean adult)
Avian omnivores (AV433)	8.74E-01	Great egret	Dunning 1993 (mean adult)
Avian omnivores (AV442)	6.54E-01	American coot	Steenhof 1983 (mean adult
Mammalian herbivores (M121)	5.80E-00	American porcupine	Steenhof 1983 (mean adult)
Mammalian herbivores (M122)	1.10E-02	Western harvest mouse	Steenhof 1983 (mean adult)
Mammalian herbivores (M122A)	1.57E-02	Sagebrush vole	Mullican 1985 (median adult)
Pygmy rabbit	4.04E-01	Pygmy rabbit	Arthur and Markham 1978 (mean adult)
Mammalian herbivores (M123)	8.89E-02	Northern pocket gopher	Wakely 1978 (mean adult)
Mammalian insectivores (M210)	9.03E-03	Silver-haired bat	Barclay et al. 1988 (mean adult)

Table K-1-4. (continued).

Functional Groups	BW (kg)	Representative Species	Reference
Mammalian insectivores (M210A)	4.65E-03	California myotis	Black 1974 (mean adult)
Townsend's western big-eared bat	1.10E-02	Townsend's western big-eared bat	Burt and Grossenheider 1980 (median adult)
Small-footed myotis	4.69E-03	Small-footed myotis	Barclay et al. 1988 (mean adult)
Long-eared myotis	6.65E-03	Long-eared myotis	Barclay et al. 1988 (mean adult)
Mammalian insectivores (M222)	6.00E-03	Merriam's shrew	Steenhof 1983 (mean adult)
Mammalian carnivore (M322)	1.78E-01	Long-tailed weasel	Steenhof 1983 (mean adult)
Mammalian omnivores (M422)	1.70E-02	House mouse	Burt and Grossenheider 1980 (median adult)
Mammalian omnivores (M422A)	5.05E-00	Red fox	Lindstedt et al. 1986 (mean adult)
Reptilian insectivores (R222)	6.61E-03	Sagebrush lizard	Burkholder 1978 (mean adult)
Sagebrush lizard	6.61E-03	Sagebrush lizard	Burkholder 1978 (mean adult)
Reptilian carnivores (R322)	1.50E-02	Night snake	Steenhof 1983 (mean adult)

a. SVL = snout to vent length.

K-1.2.3 Food and Water Ingestion Rates (IR, WI)

Food/prey ingestion rates (IR) for most INEEL species were calculated using allometric equations given in Nagy (1987). Food intake rates (grams dry weight per day) for passerine birds, nonpasserine birds, rodents, herbivores, all other mammals, and insectivorous reptiles were estimated using the following allometric equations (Nagy 1987).

$$\text{Food intake rate} = 0.398\ BW^{0.850}\ \text{(passerines)} \quad \text{(K-23)}$$

$$\text{Food intake rate} = 1.110\ BW^{0.445}\ \text{(desert bird)} \quad \text{(K-24)}$$

$$\text{Food intake rate} = 0.648\ BW^{0.651}\ \text{(nonpasserines)} \quad \text{(K-25)}$$

$$\text{Food intake rate} = 0.583\ BW^{0.585}\ \text{(rodents)} \quad \text{(K-26)}$$

$$\text{Food intake rate} = 0.577\ BW^{0.727}\ \text{(herbivores)} \quad \text{(K-27)}$$

$$\text{Food intake rate} = 0.15\ BW^{0.874}\ \text{(desert mammals)} \quad \text{(K-28)}$$

$$\text{Food intake rate} = 0.013\ BW^{0.773}\ \text{(insectivorous reptiles)} \quad \text{(K-29)}$$

where BW = body weight in grams.

The original equation for rodents (K-26) has been modified slightly (Nagy 1987), based on reporting errors discovered in that report. An equation for ingestion rates for carnivorous reptiles was constructed using data reported by Diller and Johnson (1988).

Food intake rate = 0.01 $BW^{1.5}$ (carnivorous reptiles) (K-30)

where

BW = body weight in kilograms.

These equations were applied to estimate the ingestion rate (g dry weight/day) as a function of body weight (see Section K-2). The application of individual equations for species and groups varies according to taxonomic Class and/or Order and in some cases, on habitat (e.g., aquatic species). In cases where more than one of Nagy's (1987) equations could be applied to a functional group, such as all mammals or desert rodents, the larger of the two rates was applied. For functional groups in which mixed species occur, intake rates were calculated using the most representative or generic equation returning the largest IR. Finalized ingestion rates for functional groups and individual species are presented in Table K-1-5.

A cursory comparison of food ingestion values generated using Nagy's (1987) equations to a few experimental values from the literature indicate that the equations may substantially underestimate ingestion rates for some species.

K-1.2.4 Exposure Duration

Exposure duration (ED) represents the fraction of year an animal spends in the affected area. Because EBSL screening values were designed to be conservative, ED was assumed to be 1 for all receptors, assuming 100% of their time is spent in the assessment area.

K-1.2.5 Site Use Factor

The site use factor (SUF) represents the proportion of a species home range that overlaps the area of contamination. An SUF of 1 indicates that the home range is less than or equal to the area of contaminant exposure. For EBSL screening, the SUF was assumed to be 1 (100% use occurs in the area of contamination) for all groups and species (see VanHorn et al. 1995).

K-1.2.6 Bioaccumulation Factors

The uptake of contaminants in the terrestrial food chain is important for realistically calculating exposure to contamination. These contaminant-specific factors are referred to in the literature as uptake factors or plant uptake factors (PUFs) for plants and food-chain transfer coefficients or factors for wildlife. The PUF is the plant tissue concentration of the contaminant divided by the soil or sediment concentration. The food-chain transfer factor is the animal tissue concentration of a contaminant divided by the concentration in its food. To estimate the tissue levels of contaminants in prey, the PUF was multiplied by the transfer factors to derive a "bioaccumulation factor" (BAF), which is the concentration of a contaminant in the tissues of an animal divided by the soil or sediment concentration. The BAF accounts for all ingestion exposure routes. For example, the BAF for a herbivorous small mammal is the PUF times the plant-to-herbivore transfer coefficient. Multiplying the small mammal BAF times the concentration of a contaminant in soil provides an estimate of the tissue levels of the contaminant in small mammals. This tissue level may then be used to estimate exposure for the carnivore/omnivore functional groups that are predators of small mammals.

Table K-1-5. Summary of EBSL input values and equations for calculation of food ingestion for groups and individuals.

Functional Groups	IR (kg/day)	Nagy Equation
Amphibians (A232)	6.49E-05	reptile insectivores
Avian herbivores (AV121)	3.50E-03	passerines
Avian herbivores (AV122)	1.46E-03	all birds
Avian herbivores (AV132)	1.07E-02	all birds
Avian herbivores (AV142)	2.75E-02	all birds
Trumpeter swan	2.75E-01	all birds
Avian herbivores (AV143)	2.92E-02	all birds
Avian insectivores (AV210)	2.90E-03	all birds
Black tern	9.84E-03	all birds
Avian insectivores (AV210A)	3.89E-03	passerines
Avian insectivores (AV221)	1.99E-03	passerines
Avian insectivores (AV222)	3.07E-03	all birds
Avian insectivores (AV222A)	2.82E-03	passerines
Avian insectivores (AV232)	1.12E-03	all birds
Avian insectivores (AV233)	4.78E-03	all birds
White-faced ibis	4.27E-02	all birds
Avian insectivores (AV241)	6.41E-03	all birds
Avian insectivores (AV242)	1.13E-02	all birds
Avian carnivores (AV310)	1.61E-02	all birds
Northern goshawk	6.00E-02	all birds
Peregrine falcon	4.96E-02	all birds
Avian carnivores (AV322)	7.44E-03	all birds
Bald eagle	1.60E-01	all birds
Ferruginous hawk	6.19E-02	all birds
Loggerhead shrike	7.44E-03	all birds
Avian carnivores (AV322A)	1.73E-02	all birds
Burrowing Owl	1.73E-02	all birds
Avian carnivores (AV333)	1.84E-02	all birds
Avian carnivores (AV342)	4.64E-02	all birds
Avian omnivores (AV422)	1.13E-02	all birds
Avian omnivores (AV432)	2.75E-02	all birds
Avian omnivores (AV433)	5.33E-02	all birds
Avian omnivores (AV442)	4.41E-02	all birds
Mammalian herbivores (M121)	3.14E-01	mammal herbivore
Mammalian herbivores (M122)	3.30E-03	mammal herbivore

Table K-1-5. (continued).

Functional Groups	IR (kg/day)	Nagy Equation
Mammalian herbivores (M122A)	4.27E-03	mammal herbivore
Pygmy rabbit	4.53E-02	mammal herbivore
Mammalian herbivores (M123)	1.51E-02	all mammals
Mammalian insectivores (M210)	1.43E-03	rodents
Mammalian insectivores (M210A)	1.43E-03	rodents
Townsend's western big-eared bat	2.37E-03	rodents
Small-footed myotis	1.44E-03	rodents
Long-eared myotis	1.77E-03	rodents
Mammalian insectivores (M222)	1.66E-03	rodents
Mammalian carnivore (M322)	1.66E-02	all mammals
Mammalian omnivores (M422)	3.06E-03	rodents
Mammalian omnivores (M422A)	2.60E-01	all mammals
Reptilian insectivores (R222)	5.60E-05	reptile insectivores
Sagebrush lizard	5.60E-05	reptile insectivores
Reptilian carnivores (R322)	6.80E-03	literature value[a]

a. Diller and Johnson 1988

For use in the calculation of screening level values and EBSLs, these values were defaulted to 1.0 if not greater.

There is a great deal of uncertainty associated with using BAFs and PUFs to calculate dose. Very limited values are available in the scientific literature, since they must be both contaminant- and receptor-specific. In the absence of specific BAF or PUF, a value of 1 was assumed. This assumption could over- or underestimate the true dose from the contaminant, and the magnitude of error cannot be quantified. Travis and Arms (1988) and Baes et al. (1984) report BAFs for contaminants to beef and milk, all of these are less than 1 for the contaminants at the INEEL. If the terrestrial receptors of concern accumulate metals and PCBs in a similar way and to a comparable degree as beef and dairy cattle, the use of a BAF of 1 for all contaminants and receptors would overestimate the dose. On the other hand, if the terrestrial receptors of concern at INEEL accumulate metals and PCBs to a much larger degree than beef and dairy cattle, the assumption of BAFs equal to 1 could underestimate the true dose from the COPCs. This same logic is true of PUFs.

K-1.3 Toxicity Reference Values

The exposure modeled using the equations presented previous is then divided by a toxicity reference value (TRV) developed for each COPC/receptor combination to produce an HQ. For EBSL development the TRV provides the value used to calculate acceptable levels below which no adverse effect should be observed. A TRV is defined as a contaminant concentration or dose for a receptor that is likely to be without appreciable risk of adverse effects from chronic exposure. TRV development is a complicated process and is documented in Appendix I.

K-1.4 Summary and EBSLS Presentation

In summary, the EBSLs for radionuclides are presented in Table K-1-6. First the lowest EBSLs calculated for all species and functional groups was selected for both the internal and external dose. From these values the lowest EBSLs from either the internal or external dose was used in the selection of the final EBSL for the radionuclide. The EBSLs for nonradionuclides is presented in Table K-1-7. The lowest EBSLs calculated for all species and functional groups was selected for each nonradionuclide. These EBSLs are applicable to terrestrial sites at the INEEL; but are site specific and should be used with caution at other sites.

Table K-1-6. Overall minimum EBSLs in soil for radionuclide dose.

Radionuclide	External Dose Minimum EBSL	Internal Dose Minimum EBSL	Overall Minimum EBSL
Ag-108m	1.82E+03	4.01E+03	1.82E+03
Am-241	1.32E+05	1.78E+01	1.78E+01
Co-58	3.66E+03	7.17E+03	3.66E+03
Co-60	1.18E+03	2.30E+03	1.18E+03
Cs-137	4.95E+03	5.58E+03	4.95E+03
Eu-152	2.27E+03	2.18E+03	2.18E+03
Eu-154	2.48E+03	3.31E+03	2.48E+03
Pu-238	1.06E+08	1.78E+01	1.78E+01
Pu-239	5.21E+07	1.89E+01	1.89E+01
Ra-226	4.83E+05	2.04E+01	2.04E+01
Sr-90	NA	3.34E+03	3.34E+03
Th-228	1.51E+06	1.81E+01	1.81E+01
Th-230	7.76E+06	2.09E+01	2.09E+01
Th-232	1.81E+07	2.43E+01	2.43E+01
Tl-204	NA	8.21E+03	8.21E+03
Tl-208			
U-234	1.98E+07	2.05E+01	2.05E+01
U-238	8.50E+07	2.32E+01	2.32E+01

Table K-1-7. Minimum EBSL for nonradionuclide contaminants.

Contaminant	Minimum EBSL
1,1,1-Trichloroethane	4.08E+02
2-Butanone	1.91E+01
4-Chloroaniline	5.35E-01
Acetone	2.78E-01
Aluminum	4.27E+00
Antimony	7.47E-01
Aroclor 1254	1.43E-02
Arsenic	8.76E-01
Barium	9.74E-02
Benzene	5.50E+00
Benzo(a)pyrene	3.25E-02
Beryllium	7.34E-01
Cadmium	2.36E-03
Carbon disulfide	5.91E-01
Chromium III	3.25E+00
Chromium VI	1.62E-01
Cobalt	4.54E-01
Copper	2.11E+00
Di-2-ethylhexylphthalate	2.56E+00
Ethylbenzene	2.76E+01
Fluoride	3.11E+00
Lead	7.17E-02
Magnesium	2.30E+00
Manganese	1.41E+01
Mercury	6.13E-03
Methylene chloride	4.27E-01
Nickel	2.69E+00
Nitrate	3.20E+01
Potassium	4.30E+03
Selenium	8.11E-02
Silver	1.35E+00
Sulfate	1.72E+01
Tetrachloroethylene	1.62E+00

Table K-1-7. (continued).

Contaminant	Minimum EBSL
Thallium	1.17E-01
Tin	3.73E+00
Toluene	3.02E+01
Uranium	4.37E-01
Vanadium	2.55E-01
Xylene	2.78E-01
Zinc	6.37E+00

K-2. EXPOSURE MODEL INPUT VALUES

The following guidelines specify the report sections and tables in which (1) ERA exposure equations and (2) input values applied to produce WAG 4 ERA dose calculations and hazard quotients contained in Section K-3 may be found.

K-2.1 Exposure Calculations for Nonradiological Contaminants – Equation 7-8

PP—Table 7-1

PV—Table 7-14

PS—Table 7-14

CS—Appendix B – summarized on Table 7-18

IR—Table 7-14

WI—Table 7-14

ED—Table 7-14

SUF—Site area (Table 7-17) divided by home range (Table 7-14)

CP—Equation 7-9:

CS—Appendix B—summarized on Table 7-18

BAF—Table 7-15

CV—Equation 7-10:

CS—Appendix B—summarized on Table 7-18

PUF—Table 7-15

K-2.2 Hazard Quotient Calculation (HQ)—Equation 7-13

TRVs—Equation 7-12

QCE and AF - Appendix J

K-3. DOSE CALCULATIONS AND HAZARD QUOTIENTS FOR FUNCTIONAL GROUPS/SENSITIVE SPECIES

This appendix gives the results of the WAG Ecological Risk Assessment (ERA). Each table represents one site (e.g., CFA-02) and is composed of three parts: soil concentrations, results of the dose calculations, and results of the hazard quotient calculations. NA means no toxicity data was available for that contaminant and functional group. NA cells were ignored (i.e., treated as zeros) when calculating the total HQ.

Concentrations	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene
Concentration in surface soil	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Concentration in sub-surface soil	8.90E-01	2.10E-01	1.60E-01	2.00E-01
Concentration used in ERA	8.90E-01	2.10E-01	1.60E-01	2.00E-01
Water concentration (mg/L)	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Size of Site	**4.30E+00**			
Dose (mg/kg-d)				
Functional groups	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene
Amphibians (A232)	7.22E-03	1.70E-03	1.30E-03	1.62E-03
Avian herbivores (AV121)	1.11E-03	2.61E-04	1.50E-04	2.49E-04
Avian herbivores (AV122)	3.22E-02	7.59E-03	5.51E-03	7.23E-03
Avian insectivores (AV210)	1.76E-03	4.15E-04	3.20E-04	3.95E-04
Black tern	4.31E-03	1.02E-03	7.75E-04	9.68E-04
Avian insectivores (AV210A)	4.68E-03	1.10E-03	8.48E-04	1.05E-03
Avian insectivores (AV221)	5.27E-03	1.24E-03	9.54E-04	1.18E-03
Avian insectivores (AV222)	2.34E-02	5.52E-03	4.22E-03	5.26E-03
Avian insectivores (AV222A)	1.52E-02	3.59E-03	2.74E-03	3.42E-03
Avian carnivores (AV310)	4.15E-05	9.79E-06	7.54E-06	9.32E-06
Northern goshawk	5.24E-06	1.24E-06	9.53E-07	1.18E-06
Peregrine falcon	3.74E-05	8.82E-06	6.80E-06	8.40E-06
Avian carnivores (AV322)	1.52E-03	3.58E-04	2.76E-04	3.41E-04
Bald eagle	1.33E-06	3.15E-07	2.43E-07	3.00E-07
Ferruginous hawk	5.10E-06	1.20E-06	9.27E-07	1.15E-06
Loggerhead shrike	1.94E-03	4.59E-04	3.54E-04	4.37E-04
Avian carnivores (AV322A)	3.24E-04	7.65E-05	5.87E-05	7.28E-05
Burrowing Owl	3.24E-04	7.65E-05	5.87E-05	7.28E-05
Avian omnivores (AV422)	4.72E-03	1.11E-03	8.36E-04	1.06E-03
Mammalian herbivores (M121)	1.51E-04	3.55E-05	2.25E-05	3.38E-05
Mammalian herbivores (M122)	1.99E-02	4.69E-03	3.32E-03	4.46E-03
Mammalian herbivores (M122A)	2.14E-02	5.04E-03	3.62E-03	4.80E-03
Pygmy rabbit	3.19E-03	7.52E-04	4.77E-04	7.16E-04
Mammalian herbivores (M123)	1.33E-02	3.14E-03	2.26E-03	2.99E-03
Mammalian insectivores (M210)	1.06E-03	2.50E-04	1.93E-04	2.38E-04
Mammalian insectivores (M210A)	5.59E-03	1.32E-03	1.02E-03	1.26E-03
Townsend's western big-eared bat	2.00E-03	4.71E-04	3.67E-04	4.49E-04
Small-footed myotis	2.84E-03	6.71E-04	5.23E-04	6.39E-04
Long-eared myotis	4.82E-03	1.14E-03	8.77E-04	1.08E-03
Mammalian insectivores (M222)	6.02E-03	1.42E-03	1.09E-03	1.35E-03
Mammalian carnivore (M322)	2.13E-03	5.02E-04	3.84E-04	4.78E-04
Mammalian omnivores (M422)	1.53E-02	3.61E-03	2.74E-03	3.44E-03
Mammalian omnivores (M422A)	1.26E-03	2.96E-04	2.25E-04	2.82E-04
Reptilian insectivores (R222)	1.84E-04	4.34E-05	3.34E-05	4.13E-05
Sagebrush lizard	1.84E-04	4.34E-05	3.34E-05	4.13E-05
Reptilian carnivores (R322)	1.95E-02	4.61E-03	3.53E-03	4.39E-03
Plants	8.90E-01	2.10E-01	1.60E-01	2.00E-01

Hazard Quotient (unitless)

Functional groups	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene
Amphibians (A232)	NA	NA	NA	NA
Avian herbivores (AV121)	NA	NA	NA	NA
Avian herbivores (AV122)	NA	NA	NA	NA
Avian insectivores (AV210)	NA	NA	NA	NA
Black tern	NA	NA	NA	NA
Avian insectivores (AV210A)	NA	NA	NA	NA
Avian insectivores (AV221)	NA	NA	NA	NA
Avian insectivores (AV222)	NA	NA	NA	NA
Avian insectivores (AV222A)	NA	NA	NA	NA
Avian carnivores (AV310)	NA	NA	NA	NA
Northern goshawk	NA	NA	NA	NA
Peregrine falcon	NA	NA	NA	NA
Avian carnivores (AV322)	NA	NA	NA	NA
Bald eagle	NA	NA	NA	NA
Ferruginous hawk	NA	NA	NA	NA
Loggerhead shrike	NA	NA	NA	NA
Avian carnivores (AV322A)	NA	NA	NA	NA
Burrowing Owl	NA	NA	NA	NA
Avian omnivores (AV422)	NA	NA	NA	NA
Mammalian herbivores (M121)	2.E-02	2.E-03	1.E-03	2.E-03
Mammalian herbivores (M122)	2.E+00	2.E-01	2.E-01	2.E-01
Mammalian herbivores (M122A)	2.E+00	3.E-01	2.E-01	2.E-01
Pygmy rabbit	3.E-01	4.E-02	2.E-02	4.E-02
Mammalian herbivores (M123)	1.E+00	2.E-01	1.E-01	1.E-01
Mammalian insectivores (M210)	1.E-01	1.E-02	1.E-02	1.E-02
Mammalian insectivores (M210A)	6.E-01	7.E-02	5.E-02	6.E-02
Townsend's western big-eared bat	2.E-01	2.E-02	2.E-02	2.E-02
Small-footed myotis	3.E-01	3.E-02	3.E-02	3.E-02
Long-eared myotis	5.E-01	6.E-02	4.E-02	5.E-02
Mammalian insectivores (M222)	6.E-01	7.E-02	5.E-02	7.E-02
Mammalian carnivore (M322)	2.E-01	3.E-02	2.E-02	2.E-02
Mammalian omnivores (M422)	2.E+00	1.E-01	9.E-02	1.E-01
Mammalian omnivores (M422A)	1.E-01	1.E-02	7.E-03	9.E-03
Reptilian insectivores (R222)	NA	NA	NA	NA
Sagebrush lizard	NA	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA	NA
Plants	NA	NA	NA	NA
Maximum hazard quotient	2.E+00	3.E-01	2.E-01	2.E-01

Chromium III	Chrysene	Copper	Dibenz(a,h)anthracene	Indeno(1,2,3-cd)pyrene	Lead	Mercury
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E+01	8.00E-02
5.30E+01	4.50E+02	7.34E+01	3.80E-01	8.30E-02	7.20E+01	8.00E-02
5.30E+01	4.50E+02	7.34E+01	3.80E-01	8.30E-02	9.70E+01	8.00E-02
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Chromium III	Chrysene	Copper	Dibenz(a,h)anthracene	Indeno(1,2,3-cd)pyrene	Lead	Mercury
4.30E-01	3.65E+00	5.95E-01	3.08E-03	6.73E-04	7.75E-01	6.49E-04
5.20E-02	8.05E-01	1.68E+00	4.72E-04	7.82E-05	2.84E-01	4.06E-03
1.84E+00	1.77E+01	1.16E+01	1.37E-02	2.86E-03	3.70E+00	2.53E-02
4.04E-01	8.82E-01	7.10E+00	7.50E-04	1.66E-04	2.90E+00	3.19E-03
3.02E-01	2.18E+00	1.42E+00	1.84E-03	4.02E-04	7.70E-01	8.51E-04
8.09E-01	2.35E+00	1.27E+01	2.00E-03	4.40E-04	5.39E+00	5.79E-03
9.10E-01	2.65E+00	1.43E+01	2.25E-03	4.95E-04	5.92E+00	6.51E-03
2.20E+00	1.18E+01	2.07E+01	9.99E-03	2.19E-03	9.32E+00	1.03E-02
1.43E+00	7.68E+00	1.34E+01	6.50E-03	1.42E-03	6.49E+00	6.68E-03
2.61E-02	2.08E-02	3.62E-02	1.77E-05	3.91E-06	1.34E-01	1.29E-04
3.30E-03	2.63E-03	4.57E-03	2.24E-06	4.94E-07	1.69E-02	1.63E-05
2.36E-02	1.87E-02	3.26E-02	1.60E-05	3.52E-06	1.20E-01	1.16E-04
9.58E-01	7.62E-01	1.33E+00	6.49E-04	1.43E-04	4.89E+00	4.72E-03
8.42E-04	6.70E-04	1.17E-03	5.70E-07	1.26E-07	4.30E-03	4.15E-06
3.21E-03	2.56E-03	4.45E-03	2.18E-06	4.81E-07	1.64E-02	1.59E-05
1.23E+00	9.76E-01	1.70E+00	8.30E-04	1.83E-04	6.26E+00	6.05E-03
1.42E-01	1.63E-01	1.97E-01	1.38E-04	3.05E-05	7.11E-01	6.80E-04
1.42E-01	1.63E-01	1.97E-01	1.38E-04	3.05E-05	7.11E-01	6.80E-04
6.41E-01	2.45E+00	3.35E+00	2.01E-03	4.34E-04	2.44E+00	3.44E-03
7.67E-03	9.90E-02	1.60E-01	6.43E-05	1.17E-05	3.29E-02	3.82E-04
1.11E+00	1.13E+01	9.63E+00	8.48E-03	1.73E-03	2.59E+00	2.17E-02
1.21E+00	1.19E+01	8.91E+00	9.13E-03	1.88E-03	3.13E+00	1.98E-02
1.63E-01	2.10E+00	3.39E+00	1.36E-03	2.48E-04	6.97E-01	8.09E-03
7.54E-01	7.42E+00	5.55E+00	5.68E-03	1.17E-03	1.95E+00	1.23E-02
2.44E-01	5.32E-01	4.29E+00	4.53E-04	1.00E-04	1.75E+00	1.93E-03
1.29E+00	2.81E+00	2.26E+01	2.39E-03	5.28E-04	9.38E+00	1.02E-02
7.93E-01	9.94E-01	1.58E+01	8.52E-04	1.90E-04	6.42E+00	7.00E-03
1.13E+00	1.42E+00	2.25E+01	1.21E-03	2.71E-04	9.14E+00	9.97E-03
1.11E+00	2.42E+00	1.95E+01	2.06E-03	4.55E-04	8.09E+00	8.75E-03
1.21E+00	3.02E+00	2.03E+01	2.57E-03	5.67E-04	8.52E+00	9.19E-03
4.28E-01	1.07E+00	5.93E-01	9.09E-04	1.99E-04	1.89E+00	1.79E-03
2.44E+00	7.80E+00	1.24E+01	6.53E-03	1.42E-03	1.01E+01	1.07E-02
2.00E-01	6.41E-01	1.02E+00	5.36E-04	1.17E-04	8.34E-01	8.84E-04
3.71E-02	9.24E-02	6.22E-01	7.85E-05	1.73E-05	2.60E-01	2.81E-04
3.71E-02	9.24E-02	6.22E-01	7.85E-05	1.73E-05	2.60E-01	2.81E-04
5.73E+00	9.84E+00	7.93E+00	8.34E-03	1.83E-03	2.72E+01	2.59E-02
5.30E+01	4.50E+02	7.34E+01	3.80E-01	8.30E-02	9.70E+01	8.00E-02

Chromium III	Chrysene	Copper	Dibenz(a,h)anthracene	Indeno(1,2,3-cd)pyrene	Lead	Mercury
NA	NA	NA	NA	NA	NA	NA
4.E-02	NA	4.E-01	NA	NA	9.E+00	1.E+00
1.E+00	NA	3.E+00	NA	NA	1.E+02	6.E+00
3.E-01	NA	2.E+00	NA	NA	7.E+01	2.E-02
2.E-01	NA	4.E-01	NA	NA	3.E+01	1.E-01
6.E-01	NA	3.E+00	NA	NA	7.E+01	4.E-02
7.E-01	NA	4.E+00	NA	NA	1.E+02	4.E-02
2.E+00	NA	5.E+00	NA	NA	2.E+02	6.E-02
1.E+00	NA	3.E+00	NA	NA	2.E+02	4.E-02
2.E-02	NA	9.E-03	NA	NA	4.E+00	8.E-04
2.E-03	NA	1.E-03	NA	NA	4.E-01	1.E-04
2.E-02	NA	8.E-03	NA	NA	3.E+00	7.E-04
7.E-01	NA	3.E-01	NA	NA	2.E+02	3.E-02
6.E-04	NA	3.E-04	NA	NA	1.E-01	3.E-05
2.E-03	NA	1.E-03	NA	NA	5.E-01	1.E-04
9.E-01	NA	4.E-01	NA	NA	2.E+02	4.E-02
1.E-01	NA	5.E-02	NA	NA	2.E+01	4.E-03
1.E-01	NA	5.E-02	NA	NA	2.E+01	4.E-03
3.E-01	NA	6.E-01	NA	NA	8.E+01	1.E-02
3.E-05	1.E+00	2.E-01	3.E-03	6.E-04	1.E-02	4.E-02
4.E-03	2.E+02	1.E+01	4.E-01	9.E-02	1.E+00	2.E+00
5.E-03	2.E+02	1.E+01	5.E-01	9.E-02	1.E+00	2.E+00
7.E-04	3.E+01	5.E+00	7.E-02	1.E-02	3.E-01	9.E-01
3.E-03	1.E+02	9.E+00	3.E-01	6.E-02	7.E-01	1.E+00
1.E-03	8.E+00	7.E+00	2.E-02	5.E-03	6.E-01	2.E-01
5.E-03	4.E+01	3.E+01	1.E-01	3.E-02	3.E+00	1.E+00
3.E-03	1.E+01	2.E+01	4.E-02	1.E-02	2.E+00	8.E-01
5.E-03	2.E+01	3.E+01	6.E-02	1.E-02	3.E+00	1.E+00
4.E-03	3.E+01	3.E+01	1.E-01	2.E-02	3.E+00	1.E+00
5.E-03	4.E+01	3.E+01	1.E-01	3.E-02	3.E+00	5.E+00
2.E-03	2.E+01	3.E-01	5.E-02	1.E-02	7.E-01	2.E-01
6.E-03	8.E+01	2.E+01	2.E-01	5.E-02	3.E+00	9.E-01
5.E-04	6.E+00	2.E+00	2.E-02	4.E-03	3.E-01	7.E-02
NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA
5.E+01	NA	7.E-01	NA	NA	2.E+00	3.E-01
5.E+01	2.E+02	3.E+01	5.E-01	9.E-02	2.E+02	6.E+00

Silver	Zinc
0.00E+00	0.00E+00
1.95E+01	2.30E+02
1.95E+01	2.30E+02
0.00E+00	0.00E+00

Silver	Zinc
1.58E-01	1.86E+00
4.46E-01	1.94E+01
3.09E+00	1.16E+02
1.89E+00	2.23E+01
3.77E-01	4.45E+00
3.37E+00	3.98E+01
3.80E+00	4.48E+01
5.49E+00	6.48E+01
3.57E+00	4.21E+01
1.83E-02	3.71E-01
2.32E-03	4.69E-02
1.65E-02	3.34E-01
6.72E-01	1.36E+01
5.91E-04	1.19E-02
2.26E-03	4.56E-02
8.60E-01	1.74E+01
9.77E-02	1.95E+00
9.77E-02	1.95E+00
8.90E-01	1.44E+01
4.25E-02	1.81E+00
2.56E+00	1.01E+02
2.37E+00	9.15E+01
9.01E-01	3.84E+01
1.47E+00	5.70E+01
1.14E+00	1.34E+01
6.01E+00	7.09E+01
4.20E+00	4.96E+01
5.99E+00	7.06E+01
5.18E+00	6.11E+01
5.40E+00	6.37E+01
2.69E-01	5.14E+00
3.29E+00	4.34E+01
2.71E-01	3.57E+00
1.65E-01	1.95E+00
1.65E-01	1.95E+00
3.79E+00	7.45E+01
1.95E+01	2.30E+02

Silver	Zinc
NA	NA
4.E-01	1.E+00
2.E+00	9.E+00
2.E+00	1.E+01
3.E-01	2.E+00
3.E+00	2.E+01
3.E+00	2.E+01
4.E+00	3.E+01
3.E+00	2.E+01
1.E-02	2.E-01
2.E-03	2.E-02
1.E-02	2.E-01
5.E-01	7.E+00
5.E-04	6.E-03
2.E-03	2.E-02
7.E-01	9.E+00
8.E-02	1.E+00
8.E-02	1.E+00
4.E-01	5.E+00
3.E-03	4.E-01
2.E-01	2.E+01
2.E-01	2.E+01
7.E-02	9.E+00
1.E-01	1.E+01
8.E-02	3.E+00
4.E-01	2.E+01
3.E-01	1.E+01
4.E-01	2.E+01
4.E-01	1.E+01
4.E-01	2.E+01
2.E-02	1.E-01
2.E-01	7.E+00
2.E-02	6.E-01
NA	NA
NA	NA
NA	NA
1.E+01	5.E+00
1.E+01	3.E+01

Concentrations	Acetone	Arsenic	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene
Concentration in surface soil	1.70E-02	4.92E+00	0.00E+00	0.00E+00	0.00E+00
Concentration in sub-surface soil	5.80E+00	1.54E+01	5.90E-01	8.90E-01	5.20E-01
Concentration used in ERA	5.80E+00	1.54E+01	5.90E-01	8.90E-01	5.20E-01
Water concentration (mg/L)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Size of Site	**7.07E+01**				
Dose (mg/kg-d)					
Functional groups	Acetone	Arsenic	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene
Amphibians (A232)	4.70E-02	1.25E-01	4.78E-03	7.22E-03	4.22E-03
Avian herbivores (AV121)	2.08E+01	5.18E-02	8.83E-04	1.33E-03	5.86E-04
Avian herbivores (AV122)	1.18E+02	8.33E-01	2.57E-02	3.88E-02	2.16E-02
Avian insectivores (AV210)	2.19E-02	2.90E+00	2.27E-03	3.42E-03	2.02E-03
Black tern	5.46E-02	5.80E-01	5.56E-03	8.39E-03	4.91E-03
Avian insectivores (AV210A)	3.01E-02	2.66E+00	3.10E-03	4.68E-03	2.76E-03
Avian insectivores (AV221)	3.39E-02	3.00E+00	3.49E-03	5.27E-03	3.10E-03
Avian insectivores (AV222)	1.52E-01	4.34E+00	1.55E-02	2.34E-02	1.37E-02
Avian insectivores (AV222A)	9.88E-02	2.82E+00	1.01E-02	1.52E-02	8.91E-03
Avian carnivores (AV310)	4.36E-03	3.42E-02	4.52E-04	6.82E-04	4.03E-04
Northern goshawk	5.50E-04	4.33E-03	5.71E-05	8.61E-05	5.09E-05
Peregrine falcon	1.84E-03	1.44E-02	1.91E-04	2.88E-04	1.70E-04
Avian carnivores (AV322)	2.03E-02	1.60E-01	2.11E-03	3.18E-03	1.88E-03
Bald eagle	1.40E-04	1.10E-03	1.46E-05	2.19E-05	1.30E-05
Ferruginous hawk	5.35E-04	4.21E-03	5.56E-05	8.38E-05	4.95E-05
Loggerhead shrike	1.32E-02	1.04E-01	1.37E-03	2.07E-03	1.22E-03
Avian carnivores (AV322A)	4.85E-03	2.95E-02	5.00E-04	7.54E-04	4.44E-04
Burrowing Owl	4.85E-03	2.95E-02	5.00E-04	7.54E-04	4.44E-04
Avian omnivores (AV422)	1.22E+01	1.58E+00	8.00E-03	1.21E-02	6.95E-03
Mammalian herbivores (M121)	4.10E+00	1.23E-02	2.55E-04	3.85E-04	1.87E-04
Mammalian herbivores (M122)	8.70E+01	4.64E-01	1.32E-02	1.99E-02	1.08E-02
Mammalian herbivores (M122A)	7.78E+01	4.77E-01	1.42E-02	2.14E-02	1.18E-02
Pygmy rabbit	3.40E+01	1.02E-01	2.11E-03	3.19E-03	1.55E-03
Mammalian herbivores (M123)	4.84E+01	2.97E-01	8.83E-03	1.33E-02	7.33E-03
Mammalian insectivores (M210)	6.78E-03	9.00E-01	7.03E-04	1.06E-03	6.27E-04
Mammalian insectivores (M210A)	3.57E-02	4.74E+00	3.71E-03	5.59E-03	3.31E-03
Townsend's western big-eared bat	1.25E-02	3.32E+00	1.32E-03	2.00E-03	1.19E-03
Small-footed myotis	1.78E-02	4.73E+00	1.88E-03	2.84E-03	1.70E-03
Long-eared myotis	3.08E-02	4.09E+00	3.20E-03	4.82E-03	2.85E-03
Mammalian insectivores (M222)	3.86E-02	4.27E+00	3.99E-03	6.02E-03	3.55E-03
Mammalian carnivore (M322)	4.17E-02	1.64E-01	4.27E-03	6.43E-03	3.77E-03
Mammalian omnivores (M422)	5.66E+00	2.50E+00	1.01E-02	1.53E-02	8.91E-03
Mammalian omnivores (M422A)	1.62E+00	7.17E-01	2.90E-03	4.38E-03	2.55E-03
Reptilian insectivores (R222)	1.18E-03	1.30E-01	1.22E-04	1.84E-04	1.08E-04
Sagebrush lizard	1.18E-03	1.30E-01	1.22E-04	1.84E-04	1.08E-04
Reptilian carnivores (R322)	1.26E-01	6.01E-01	1.29E-02	1.95E-02	1.15E-02
Plants	5.80E+00	1.54E+01	5.90E-01	8.90E-01	5.20E-01

Hazard Quotient (unitless)

Functional groups	Acetone	Arsenic	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene
Amphibians (A232)	NA	NA	NA	NA	NA
Avian herbivores (AV121)	NA	8.E-02	NA	NA	NA
Avian herbivores (AV122)	NA	1.E+00	NA	NA	NA
Avian insectivores (AV210)	NA	5.E+00	NA	NA	NA
Black tern	NA	4.E-01	NA	NA	NA
Avian insectivores (AV210A)	NA	4.E+00	NA	NA	NA
Avian insectivores (AV221)	NA	5.E+00	NA	NA	NA
Avian insectivores (AV222)	NA	7.E+00	NA	NA	NA
Avian insectivores (AV222A)	NA	5.E+00	NA	NA	NA
Avian carnivores (AV310)	NA	8.E-02	NA	NA	NA
Northern goshawk	NA	1.E-02	NA	NA	NA
Peregrine falcon	NA	4.E-02	NA	NA	NA
Avian carnivores (AV322)	NA	4.E-01	NA	NA	NA
Bald eagle	NA	3.E-03	NA	NA	NA
Ferruginous hawk	NA	1.E-02	NA	NA	NA
Loggerhead shrike	NA	3.E-01	NA	NA	NA
Avian carnivores (AV322A)	NA	7.E-02	NA	NA	NA
Burrowing Owl	NA	7.E-02	NA	NA	NA
Avian omnivores (AV422)	NA	4.E+00	NA	NA	NA
Mammalian herbivores (M121)	1.E+00	5.E-02	3.E-02	2.E-02	9.E-03
Mammalian herbivores (M122)	2.E+01	2.E+00	1.E+00	1.E+00	5.E-01
Mammalian herbivores (M122A)	2.E+01	2.E+00	1.E+00	1.E+00	6.E-01
Pygmy rabbit	8.E+00	4.E-01	2.E-01	2.E-01	8.E-02
Mammalian herbivores (M123)	1.E+01	1.E+00	9.E-01	7.E-01	4.E-01
Mammalian insectivores (M210)	2.E-03	3.E+00	7.E-02	5.E-02	3.E-02
Mammalian insectivores (M210A)	9.E-03	2.E+01	4.E-01	3.E-01	2.E-01
Townsend's western big-cared bat	3.E-03	1.E+01	1.E-01	1.E-01	6.E-02
Small-footed myotis	4.E-03	2.E+01	2.E-01	1.E-01	8.E-02
Long-eared myotis	7.E-03	2.E+01	3.E-01	2.E-01	1.E-01
Mammalian insectivores (M222)	9.E-03	2.E+01	4.E-01	3.E-01	2.E-01
Mammalian carnivore (M322)	1.E-02	6.E-01	4.E-01	3.E-01	2.E-01
Mammalian omnivores (M422)	9.E-01	6.E+00	1.E+00	5.E-01	3.E-01
Mammalian omnivores (M422A)	3.E-01	2.E+00	3.E-01	1.E-01	8.E-02
Reptilian insectivores (R222)	NA	NA	NA	NA	NA
Sagebrush lizard	NA	NA	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA	NA	NA
Plants	NA	2.E+00	NA	NA	NA
Maximum hazard quotient	2.E+01	2.E+01	1.E+00	1.E+00	6.E-01

Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Indeno(1,2,3-cd)pyrene	Lead	Mercury
0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E+01	8.00E-02
1.20E+00	9.20E-01	3.80E-01	6.50E-01	1.88E+02	8.00E-02
1.20E+00	9.20E-01	3.80E-01	6.50E-01	1.88E+02	8.00E-02
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Indeno(1,2,3-cd)pyrene	Lead	Mercury
9.73E-03	7.46E-03	3.08E-03	5.27E-03	1.52E+00	6.49E-04
1.80E-03	1.98E-03	5.69E-04	7.37E-04	6.95E-01	4.89E-03
5.23E-02	4.35E-02	1.65E-02	2.70E-02	1.05E+01	3.04E-02
4.62E-03	3.51E-03	1.46E-03	2.53E-03	1.11E+01	6.22E-03
1.13E-02	8.67E-03	3.58E-03	6.13E-03	3.36E+00	1.66E-03
6.31E-03	4.81E-03	2.00E-03	3.45E-03	1.04E+01	5.79E-03
7.10E-03	5.42E-03	2.25E-03	3.88E-03	1.17E+01	6.51E-03
3.15E-02	2.41E-02	9.99E-03	1.71E-02	1.93E+01	1.03E-02
2.05E-02	1.57E-02	6.50E-03	1.11E-02	1.26E+01	6.68E-03
9.19E-04	6.99E-04	2.91E-04	5.04E-04	4.29E+00	2.12E-03
1.16E-04	8.84E-05	3.68E-05	6.36E-05	5.42E-01	2.68E-04
3.88E-04	2.95E-04	1.23E-04	2.12E-04	1.81E+00	8.95E-04
4.29E-03	3.26E-03	1.36E-03	2.35E-03	2.00E+01	9.89E-03
2.96E-05	2.25E-05	9.37E-06	1.62E-05	1.38E-01	6.83E-05
1.13E-04	8.60E-05	3.58E-05	6.19E-05	5.28E-01	2.61E-04
2.79E-03	2.12E-03	8.82E-04	1.53E-03	1.30E+01	6.43E-03
1.02E-03	7.75E-04	3.22E-04	5.55E-04	3.21E+00	1.58E-03
1.02E-03	7.75E-04	3.22E-04	5.55E-04	3.21E+00	1.58E-03
1.63E-02	1.28E-02	5.15E-03	8.69E-03	1.27E+01	8.80E-03
5.19E-04	5.18E-04	1.64E-04	2.35E-04	1.63E-01	9.77E-04
2.68E-02	2.31E-02	8.48E-03	1.35E-02	5.93E+00	2.17E-02
2.88E-02	2.44E-02	9.13E-03	1.47E-02	6.06E+00	1.98E-02
4.30E-03	4.29E-03	1.36E-03	1.94E-03	1.35E+00	8.09E-03
1.80E-02	1.52E-02	5.68E-03	9.17E-03	3.78E+00	1.23E-02
1.43E-03	1.09E-03	4.53E-04	7.84E-04	3.45E+00	1.93E-03
7.54E-03	5.74E-03	2.39E-03	4.13E-03	1.82E+01	1.02E-02
2.69E-03	2.03E-03	8.52E-04	1.49E-03	1.24E+01	7.00E-03
3.83E-03	2.89E-03	1.21E-03	2.12E-03	1.77E+01	9.97E-03
6.50E-03	4.95E-03	2.06E-03	3.56E-03	1.57E+01	8.75E-03
8.12E-03	6.18E-03	2.57E-03	4.44E-03	1.65E+01	9.19E-03
8.68E-03	6.64E-03	2.75E-03	4.71E-03	1.11E+01	5.40E-03
2.06E-02	1.60E-02	6.53E-03	1.11E-02	1.96E+01	1.07E-02
5.91E-03	4.57E-03	1.87E-03	3.19E-03	5.64E+00	3.08E-03
2.48E-04	1.89E-04	7.85E-05	1.36E-04	5.04E-01	2.81E-04
2.48E-04	1.89E-04	7.85E-05	1.36E-04	5.04E-01	2.81E-04
2.63E-02	2.01E-02	8.34E-03	1.43E-02	5.28E+01	2.59E-02
1.20E+00	9.20E-01	3.80E-01	6.50E-01	1.88E+02	8.00E-02

Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Indeno(1,2,3-cd)pyrene	Lead	Mercury
NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	2.E+01	1.E+00
NA	NA	NA	NA	4.E+02	8.E+00
NA	NA	NA	NA	3.E+02	4.E-02
NA	NA	NA	NA	1.E+02	2.E-01
NA	NA	NA	NA	1.E+02	4.E-02
NA	NA	NA	NA	3.E+02	4.E-02
NA	NA	NA	NA	5.E+02	6.E-02
NA	NA	NA	NA	3.E+02	4.E-02
NA	NA	NA	NA	1.E+02	1.E-02
NA	NA	NA	NA	1.E+01	2.E-03
NA	NA	NA	NA	5.E+01	6.E-03
NA	NA	NA	NA	7.E+02	6.E-02
NA	NA	NA	NA	5.E+00	4.E-04
NA	NA	NA	NA	2.E+01	2.E-03
NA	NA	NA	NA	4.E+02	4.E-02
NA	NA	NA	NA	1.E+02	1.E-02
NA	NA	NA	NA	1.E+02	1.E-02
NA	NA	NA	NA	4.E+02	4.E-02
3.E-02	7.E-03	8.E-03	1.E-02	6.E-02	1.E-01
1.E+00	3.E-01	4.E-01	7.E-01	2.E+00	2.E+00
1.E+00	3.E-01	5.E-01	7.E-01	2.E+00	2.E+00
2.E-01	6.E-02	7.E-02	1.E-01	5.E-01	9.E-01
9.E-01	2.E-01	3.E-01	5.E-01	1.E+00	1.E+00
7.E-02	2.E-02	2.E-02	4.E-02	1.E+00	2.E-01
4.E-01	8.E-02	1.E-01	2.E-01	7.E+00	1.E+00
1.E-01	3.E-02	4.E-02	7.E-02	5.E+00	8.E-01
2.E-01	4.E-02	6.E-02	1.E-01	7.E+00	1.E+00
3.E-01	7.E-02	1.E-01	2.E-01	6.E+00	1.E+00
4.E-01	9.E-02	1.E-01	2.E-01	6.E+00	5.E+00
4.E-01	9.E-02	1.E-01	2.E-01	4.E+00	7.E-01
7.E-01	2.E-01	2.E-01	4.E-01	5.E+00	9.E-01
2.E-01	5.E-02	6.E-02	1.E-01	2.E+00	2.E-01
NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	4.E+00	3.E-01
1.E+00	3.E-01	5.E-01	7.E-01	7.E+02	8.E+00

Concentrations	Aroclor-1254	Arsenic	Barium	Cadmium	Chromium III	Cobalt
Concentration in surface soil	2.80E+00	7.63E+00	2.40E+02	3.40E+00	1.02E+02	1.00E+01
Concentration in sub-surface soil	0.00E+00	1.24E+01	5.30E+02	2.30E+00	2.70E+01	1.00E+01
Concentration used in ERA	2.80E+00	1.24E+01	5.30E+02	3.40E+00	1.02E+02	1.00E+01
Water concentration (mg/L)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Size of Site	**6.88E-01**					
Dose (mg/kg-d)						
Functional groups	Aroclor-1254	Arsenic	Barium	Cadmium	Chromium III	Cobalt
Amphibians (A232)	2.14E-02	1.01E-01	4.30E+00	2.70E-02	7.91E-01	8.11E-02
Avian herbivores (AV121)	3.17E-04	5.54E-03	7.56E-01	1.69E-02	9.25E-03	9.01E-02
Avian herbivores (AV122)	1.79E-03	8.91E-02	6.75E+00	1.06E-01	1.78E-01	5.56E-01
Avian insectivores (AV210)	1.68E-05	1.92E-01	8.21E+00	5.75E-02	1.01E-01	1.55E-01
Black tern	2.57E-06	3.84E-02	1.64E+00	1.05E-02	3.51E-02	3.09E-02
Avian insectivores (AV210A)	4.24E-03	6.18E-01	2.64E+01	1.86E-01	4.48E-01	4.98E-01
Avian insectivores (AV221)	2.09E-04	2.41E+00	1.03E+02	7.20E-01	1.31E+00	1.95E+00
Avian insectivores (AV222)	2.82E-04	3.49E+00	1.49E+02	1.02E+00	2.27E+00	2.82E+00
Avian insectivores (AV222A)	4.79E-02	2.27E+00	9.71E+01	6.79E-01	2.75E+00	1.83E+00
Avian carnivores (AV310)	3.96E-07	2.68E-04	6.72E-03	2.33E-03	7.50E-03	3.65E-03
Northern goshawk	5.00E-08	3.39E-05	8.49E-04	2.94E-04	9.48E-04	4.62E-04
Peregrine falcon	3.57E-07	2.42E-04	6.06E-03	2.10E-03	6.76E-03	3.29E-03
Avian carnivores (AV322)	1.45E-05	9.83E-03	2.46E-01	8.54E-02	2.75E-01	1.34E-01
Bald eagle	1.28E-08	8.64E-06	2.16E-04	7.50E-05	2.42E-04	1.18E-04
Ferruginous hawk	4.87E-08	3.30E-05	8.26E-04	2.86E-04	9.22E-04	4.49E-04
Loggerhead shrike	1.86E-05	1.26E-02	3.15E-01	1.09E-01	3.52E-01	1.71E-01
Avian carnivores (AV322A)	1.63E-04	1.64E-03	4.53E-02	1.22E-02	4.38E-02	1.92E-02
Burrowing Owl	1.63E-04	1.64E-03	4.53E-02	1.22E-02	4.38E-02	1.92E-02
Avian omnivores (AV422)	9.34E-05	7.96E-02	3.54E+00	4.20E-02	1.36E-01	8.77E-02
Mammalian herbivores (M121)	7.70E-05	6.22E-04	7.50E-02	1.61E-03	2.36E-03	8.47E-03
Mammalian herbivores (M122)	9.99E-03	3.74E-01	3.23E+01	5.69E-01	7.25E-01	3.00E+00
Mammalian herbivores (M122A)	6.76E-02	3.84E-01	3.11E+01	5.41E-01	2.33E+00	2.72E+00
Pygmy rabbit	1.02E-02	8.23E-02	9.92E+00	2.13E-01	3.13E-01	1.12E+00
Mammalian herbivores (M123)	4.21E-02	2.39E-01	1.94E+01	3.37E-01	1.45E+00	1.69E+00
Mammalian insectivores (M210)	1.82E-05	2.09E-01	8.91E+00	6.24E-02	1.10E-01	1.68E-01
Mammalian insectivores (M210A)	5.06E-03	1.10E+00	4.70E+01	3.31E-01	7.13E-01	8.87E-01
Townsend's western big-eared bat	1.81E-03	7.69E-01	3.29E+01	2.32E-01	4.39E-01	6.20E-01
Small-footed myotis	2.57E-03	1.10E+00	4.68E+01	3.30E-01	6.26E-01	8.84E-01
Long-eared myotis	4.36E-03	9.48E-01	4.05E+01	2.85E-01	6.14E-01	7.65E-01
Mammalian insectivores (M222)	1.89E-02	3.44E+00	1.47E+02	1.03E+00	2.33E+00	2.77E+00
Mammalian carnivore (M322)	1.07E-03	6.98E-03	2.38E-01	3.08E-02	1.32E-01	4.94E-02
Mammalian omnivores (M422)	4.60E-02	1.92E+00	8.32E+01	9.80E-01	4.48E+00	1.72E+00
Mammalian omnivores (M422A)	6.32E-04	2.65E-02	1.15E+00	1.35E-02	6.17E-02	2.36E-02
Reptilian insectivores (R222)	5.78E-04	1.05E-01	4.49E+00	3.16E-02	7.13E-02	8.47E-02
Sagebrush lizard	5.78E-04	1.05E-01	4.49E+00	3.16E-02	7.13E-02	8.47E-02
Reptilian carnivores (R322)	1.41E-02	1.11E-01	3.43E+00	6.56E-01	2.53E+00	1.04E+00
Plants	2.80E+00	1.24E+01	5.30E+02	3.40E+00	1.02E+02	1.00E+01

Hazard Quotient (unitless)

Functional groups	Aroclor-1254	Arsenic	Barium	Cadmium	Chromium III	Cobalt
Amphibians (A232)	NA	NA	NA	NA	NA	NA
Avian herbivores (AV121)	8.E-03	9.E-03	NA	9.E-01	7.E-03	4.E-01
Avian herbivores (AV122)	4.E-02	1.E-01	NA	6.E+00	1.E-01	3.E+00
Avian insectivores (AV210)	4.E-04	3.E-01	NA	5.E+00	7.E-02	7.E-01
Black tern	6.E-05	3.E-02	NA	9.E-01	3.E-02	1.E-01
Avian insectivores (AV210A)	1.E-01	1.E+00	NA	2.E+01	3.E-01	2.E+00
Avian insectivores (AV221)	5.E-03	4.E+00	NA	6.E+01	1.E+00	9.E+00
Avian insectivores (AV222)	7.E-03	6.E+00	NA	8.E+01	2.E+00	1.E+01
Avian insectivores (AV222A)	1.E+00	4.E+00	NA	6.E+01	2.E+00	9.E+00
Avian carnivores (AV310)	2.E-04	7.E-04	NA	2.E-01	6.E-03	2.E-02
Northern goshawk	2.E-05	8.E-05	NA	2.E-02	7.E-04	2.E-03
Peregrine falcon	1.E-04	6.E-04	NA	2.E-01	5.E-03	2.E-02
Avian carnivores (AV322)	6.E-03	2.E-02	NA	7.E+00	2.E-01	6.E-01
Bald eagle	5.E-06	2.E-05	NA	6.E-03	2.E-04	6.E-04
Ferruginous hawk	2.E-05	8.E-05	NA	2.E-02	7.E-04	2.E-03
Loggerhead shrike	7.E-03	3.E-02	NA	9.E+00	3.E-01	8.E-01
Avian carnivores (AV322A)	7.E-02	4.E-03	NA	1.E+00	3.E-02	9.E-02
Burrowing Owl	7.E-02	4.E-03	NA	1.E+00	3.E-02	9.E-02
Avian omnivores (AV422)	2.E-02	2.E-01	NA	2.E-01	7.E-02	3.E-01
Mammalian herbivores (M121)	2.E-03	2.E-03	2.E-03	2.E+00	9.E-06	6.E-02
Mammalian herbivores (M122)	2.E-01	1.E+00	7.E-01	7.E+02	3.E-03	2.E+01
Mammalian herbivores (M122A)	1.E+00	1.E+00	7.E-01	7.E+02	9.E-03	2.E+01
Pygmy rabbit	2.E-01	3.E-01	2.E-01	3.E+02	1.E-03	8.E+00
Mammalian herbivores (M123)	9.E-01	9.E-01	4.E-01	4.E+02	6.E-03	1.E+01
Mammalian insectivores (M210)	4.E-04	8.E-01	2.E-01	8.E+01	4.E-04	1.E+00
Mammalian insectivores (M210A)	1.E-01	4.E+00	1.E+00	4.E+02	3.E-03	6.E+00
Townsend's western big-eared bat	4.E-02	3.E+00	7.E-01	3.E+02	2.E-03	4.E+00
Small-footed myotis	6.E-02	4.E+00	1.E+00	4.E+02	3.E-03	6.E+00
Long-eared myotis	9.E-02	4.E+00	9.E-01	4.E+02	2.E-03	5.E+00
Mammalian insectivores (M222)	4.E-01	1.E+01	3.E+00	1.E+03	9.E-03	2.E+01
Mammalian carnivore (M322)	8.E-03	3.E-02	5.E-03	4.E+01	5.E-04	4.E-01
Mammalian omnivores (M422)	3.E-01	5.E+00	1.E+00	1.E+03	1.E-02	1.E+01
Mammalian omnivores (M422A)	4.E-03	8.E-02	2.E-02	1.E+01	2.E-04	6.E-03
Reptilian insectivores (R222)	NA	NA	NA	NA	NA	NA
Sagebrush lizard	NA	NA	NA	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA	NA	NA	NA
Plants	7.E-02	1.E+00	1.E+00	1.E+00	1.E+02	NA
Maximum hazard quotient	1.E+00	1.E+01	3.E+00	1.E+03	1.E+02	2.E+01

Copper	Lead	Mercury	Nickel	Nitrate	Silver	Tetrachloroethylene	Toluene
1.40E+02	4.24E+01	4.39E+02	1.60E+02	2.90E+00	3.10E+01	1.84E+02	1.84E+02
2.20E+01	2.10E+01	1.47E+02	3.40E+01	1.00E+01	0.00E+00	4.47E+03	4.47E+03
1.40E+02	4.24E+01	4.39E+02	1.60E+02	1.00E+01	3.10E+01	4.47E+03	4.47E+03
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Copper	Lead	Mercury	Nickel	Nitrate	Silver	Tetrachloroethylene	Toluene
1.08E+00	3.34E-01	3.42E+00	1.24E+00	8.11E-02	2.37E-01	3.62E+01	3.62E+01
5.01E-01	1.89E-02	3.54E+00	8.86E-02	9.01E-02	1.11E-01	4.90E+01	4.11E+01
2.94E+00	2.05E-01	2.07E+01	6.60E-01	5.56E-01	6.25E-01	2.98E+02	2.53E+02
2.13E+00	1.99E-01	2.71E+00	2.44E+00	1.55E-01	4.70E-01	6.92E+01	6.92E+01
3.42E-01	4.58E-02	5.21E-01	3.98E-01	3.09E-02	7.19E-02	1.38E+01	1.38E+01
6.97E+00	6.78E-01	9.14E+00	7.97E+00	4.98E-01	1.54E+00	2.23E+02	2.23E+02
2.66E+01	2.52E+00	3.40E+01	3.04E+01	1.95E+00	5.85E+00	8.70E+02	8.70E+02
3.63E+01	3.80E+00	4.87E+01	4.17E+01	2.82E+00	7.92E+00	1.26E+03	1.26E+03
2.56E+01	2.84E+00	3.66E+01	2.93E+01	1.83E+00	5.68E+00	8.19E+02	8.19E+02
1.02E-02	9.26E-03	1.11E-01	5.92E-04	3.65E-03	4.44E-03	1.63E+00	1.63E+00
1.29E-03	1.17E-03	1.40E-02	7.48E-05	4.62E-04	5.61E-04	2.06E-01	2.06E-01
9.18E-03	8.35E-03	1.00E-01	5.34E-04	3.29E-03	4.00E-03	1.47E+00	1.47E+00
3.73E-01	3.39E-01	4.07E+00	2.17E-02	1.34E-01	1.63E-01	5.98E+01	5.98E+01
3.28E-04	2.98E-04	3.58E-03	1.91E-05	1.18E-04	1.43E-04	5.26E-02	5.26E-02
1.25E-03	1.14E-03	1.37E-02	7.28E-05	4.49E-04	5.46E-04	2.01E-01	2.01E-01
4.78E-01	4.34E-01	5.21E+00	2.78E-02	1.71E-01	2.08E-01	7.66E+01	7.66E+01
6.01E-02	4.98E-02	5.97E-01	1.10E-02	1.92E-02	2.48E-02	8.57E+00	8.57E+00
6.01E-02	4.98E-02	5.97E-01	1.10E-02	1.92E-02	2.48E-02	8.57E+00	8.57E+00
9.26E-01	1.62E-01	2.78E+00	9.32E-01	8.77E-02	2.01E-01	4.16E+01	3.94E+01
4.89E-02	2.30E-03	3.35E-01	1.07E-02	8.47E-03	1.08E-02	4.60E+00	3.86E+00
1.61E+01	9.33E-01	1.14E+02	3.34E+00	3.00E+00	3.48E+00	1.62E+03	1.37E+03
1.70E+01	1.37E+00	1.08E+02	5.76E+00	2.72E+00	3.76E+00	1.46E+03	1.24E+03
6.47E+00	3.05E-01	4.44E+01	1.41E+00	1.12E+00	1.43E+00	6.09E+02	5.11E+02
1.06E+01	8.52E-01	6.75E+01	3.59E+00	1.69E+00	2.34E+00	9.11E+02	7.72E+02
2.31E+00	2.17E-01	2.94E+00	2.65E+00	1.68E-01	5.11E-01	7.52E+01	7.52E+01
1.24E+01	1.18E+00	1.60E+01	1.42E+01	8.87E-01	2.75E+00	3.96E+02	3.96E+02
8.69E+00	8.08E-01	1.11E+01	9.93E+00	6.20E-01	1.92E+00	2.77E+02	2.77E+02
1.24E+01	1.15E+00	1.58E+01	1.41E+01	8.84E-01	2.74E+00	3.95E+02	3.95E+02
1.07E+01	1.02E+00	1.38E+01	1.22E+01	7.65E-01	2.37E+00	3.42E+02	3.42E+02
3.88E+01	3.72E+00	5.04E+01	4.43E+01	2.77E+00	8.59E+00	1.24E+03	1.24E+03
1.81E-01	1.32E-01	1.57E+00	6.53E-02	4.94E-02	6.84E-02	2.21E+01	2.21E+01
2.26E+01	4.23E+00	5.64E+01	2.49E+01	1.72E+00	5.00E+00	7.84E+02	7.68E+02
3.11E-01	5.83E-02	7.76E-01	3.42E-01	2.36E-02	6.88E-02	1.08E+01	1.06E+01
1.19E+00	1.14E-01	1.54E+00	1.35E+00	8.47E-02	2.62E-01	3.78E+01	3.78E+01
1.19E+00	1.14E-01	1.54E+00	1.35E+00	8.47E-02	2.62E-01	3.78E+01	3.78E+01
3.47E+00	2.73E+00	3.26E+01	8.93E-01	1.04E+00	1.38E+00	4.65E+02	4.65E+02
1.40E+02	4.24E+01	4.39E+02	1.60E+02	1.00E+01	3.10E+01	4.47E+03	4.47E+03

Copper	Lead	Mercury	Nickel	Nitrate	Silver	Tetrachloroethylene	Toluene
NA	NA	NA	NA	NA	NA	NA	NA
1.E-01	6.E-01	9.E+02	1.E-02	7.E-03	9.E-02	NA	NA
7.E-01	7.E+00	5.E+03	8.E-02	4.E-02	5.E-01	NA	NA
5.E-01	5.E+00	2.E+01	1.E+00	1.E-02	4.E-01	NA	NA
9.E-02	2.E+00	7.E+01	2.E-01	2.E-03	6.E-02	NA	NA
2.E+00	8.E+00	6.E+01	4.E+00	4.E-02	1.E+00	NA	NA
7.E+00	6.E+01	2.E+02	1.E+01	1.E-01	5.E+00	NA	NA
9.E+00	9.E+01	3.E+02	2.E+01	2.E-01	6.E+00	NA	NA
7.E+00	7.E+01	2.E+02	1.E+01	1.E-01	5.E+00	NA	NA
3.E-03	3.E-01	7.E-01	3.E-04	3.E-04	4.E-03	NA	NA
3.E-04	3.E-02	9.E-02	4.E-05	3.E-05	4.E-04	NA	NA
2.E-03	2.E-01	6.E-01	3.E-04	2.E-04	3.E-03	NA	NA
1.E-01	1.E+01	3.E+01	1.E-02	1.E-02	1.E-01	NA	NA
8.E-05	1.E-02	2.E-02	9.E-06	9.E-06	1.E-04	NA	NA
3.E-04	4.E-02	9.E-02	4.E-05	3.E-05	4.E-04	NA	NA
1.E-01	1.E+01	3.E+01	1.E-02	1.E-02	2.E-01	NA	NA
2.E-02	2.E+00	4.E+00	5.E-03	1.E-03	2.E-02	NA	NA
2.E-02	2.E+00	4.E+00	5.E-03	1.E-03	2.E-02	NA	NA
2.E-01	5.E+00	1.E+01	3.E-01	4.E-03	8.E-02	NA	NA
8.E-02	9.E-04	4.E+01	1.E-02	3.E-05	8.E-04	8.E+00	4.E-01
2.E+01	3.E-01	1.E+04	4.E+00	1.E-02	3.E-01	3.E+03	1.E+02
3.E+01	5.E-01	1.E+04	7.E+00	1.E-02	3.E-01	3.E+03	1.E+02
1.E+01	1.E-01	5.E+03	2.E+00	4.E-03	1.E-01	1.E+03	5.E+01
2.E+01	3.E-01	7.E+03	4.E+00	7.E-03	2.E-01	2.E+03	8.E+01
4.E+00	8.E-02	4.E+02	3.E+00	1.E-03	4.E-02	1.E+02	8.E+00
2.E+01	4.E-01	2.E+03	2.E+01	5.E-03	2.E-01	7.E+02	4.E+01
1.E+01	3.E-01	1.E+03	1.E+01	4.E-03	1.E-01	5.E+02	3.E+01
2.E+01	4.E-01	2.E+03	2.E+01	5.E-03	2.E-01	7.E+02	4.E+01
2.E+01	4.E-01	2.E+03	1.E+01	5.E-03	2.E-01	6.E+02	4.E+01
6.E+01	1.E+00	3.E+04	5.E+01	2.E-02	6.E-01	2.E+03	1.E+02
9.E-02	5.E-02	2.E+02	8.E-02	3.E-04	5.E-03	4.E+01	2.E+00
3.E+01	1.E+00	5.E+03	2.E+01	1.E-02	3.E-01	9.E+02	6.E+01
5.E-01	2.E-02	6.E+01	3.E-02	1.E-04	4.E-03	1.E+01	8.E-01
NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA
1.E+00	8.E-01	1.E+03	5.E+00	NA	2.E+01	NA	NA
6.E+01	9.E+01	3.E+04	5.E+01	2.E-01	2.E+01	3.E+03	1.E+02

TPH	Xylene	Vanadium	Zinc
1.84E+02	1.84E+02	3.90E+01	1.84E+02
4.47E+03	4.47E+03	4.60E+01	4.47E+03
4.47E+03	4.47E+03	4.60E+01	4.47E+03
0.00E+00	0.00E+00	0.00E+00	0.00E+00

TPH	Xylene	Vanadium	Zinc
3.62E+01	3.62E+01	3.73E-01	3.62E+01
4.03E+01	6.22E-01	2.11E-01	6.02E+01
2.48E+02	2.43E+01	1.41E+00	3.61E+02
6.92E+01	6.92E+01	1.43E-02	6.92E+01
1.38E+01	1.38E+01	3.56E-02	1.38E+01
2.23E+02	2.23E+02	6.88E-02	2.23E+02
8.70E+02	8.70E+02	2.69E-01	8.70E+02
1.26E+03	1.26E+03	1.20E+00	1.26E+03
8.19E+02	8.19E+02	7.84E-01	8.19E+02
1.63E+00	4.15E-02	3.37E-04	1.15E+00
2.06E-01	5.24E-03	4.25E-05	1.46E-01
1.47E+00	3.74E-02	3.03E-04	1.04E+00
5.98E+01	1.52E+00	1.23E-02	4.22E+01
5.26E-02	1.34E-03	1.08E-05	3.71E-02
2.01E-01	5.10E-03	4.14E-05	1.42E-01
7.66E+01	1.94E+00	1.58E-02	5.41E+01
8.57E+00	3.03E-01	2.65E-03	6.08E+00
8.57E+00	3.03E-01	2.65E-03	6.08E+00
3.92E+01	2.83E+01	9.45E-02	4.47E+01
3.79E+00	9.61E-02	2.00E-02	5.64E+00
1.34E+03	9.13E+01	7.38E+00	1.97E+03
1.22E+03	9.98E+01	6.79E+00	1.78E+03
5.01E+02	1.27E+01	2.65E+00	7.47E+02
7.58E+02	6.22E+01	4.23E+00	1.11E+03
7.52E+01	7.52E+01	1.55E-02	7.52E+01
3.96E+02	3.96E+02	8.17E-02	3.96E+02
2.77E+02	2.77E+02	2.86E-02	2.77E+02
3.95E+02	3.95E+02	4.07E-02	3.95E+02
3.42E+02	3.42E+02	7.04E-02	3.42E+02
1.24E+03	1.24E+03	3.06E-01	1.24E+03
2.21E+01	1.81E+00	1.75E-02	1.60E+01
7.67E+02	6.90E+02	1.14E+00	8.05E+02
1.06E+01	9.51E+00	1.57E-02	1.11E+01
3.78E+01	3.78E+01	9.36E-03	3.78E+01
3.78E+01	3.78E+01	9.36E-03	3.78E+01
4.65E+02	2.47E+01	2.30E-01	3.32E+02
4.47E+03	4.47E+03	4.60E+01	4.47E+03

TPH	Xylene	Vanadium	Zinc
NA	NA	NA	NA
2.E+00	5.E+00	NA	5.E+00
1.E+01	2.E+02	NA	3.E+01
4.E+00	9.E+02	NA	3.E+01
9.E-01	2.E+02	NA	7.E+00
1.E+01	3.E+03	NA	1.E+02
5.E+01	1.E+04	NA	4.E+02
8.E+01	2.E+04	NA	6.E+02
5.E+01	1.E+04	NA	4.E+02
1.E-01	5.E-01	NA	6.E-01
1.E-02	7.E-02	NA	7.E-02
9.E-02	5.E-01	NA	5.E-01
4.E+00	2.E+01	NA	2.E+01
3.E-03	2.E-02	NA	2.E-02
1.E-02	6.E-02	NA	7.E-02
5.E+00	2.E+01	NA	3.E+01
5.E-01	4.E+00	NA	3.E+00
5.E-01	4.E+00	NA	3.E+00
2.E+00	4.E+02	NA	1.E+01
1.E-01	6.E-01	2.E-01	1.E+00
4.E+01	6.E+02	9.E+01	5.E+02
4.E+01	7.E+02	8.E+01	4.E+02
2.E+01	8.E+01	3.E+01	2.E+02
2.E+01	4.E+02	5.E+01	3.E+02
2.E+00	5.E+02	2.E-01	2.E+01
1.E+01	3.E+03	1.E+00	1.E+02
9.E+00	2.E+03	3.E-01	7.E+01
1.E+01	3.E+03	5.E-01	9.E+01
1.E+01	2.E+03	8.E-01	8.E+01
4.E+01	8.E+03	4.E+00	3.E+02
2.E-01	1.E+01	2.E-01	5.E-01
2.E+01	3.E+03	9.E+00	1.E+02
3.E-01	4.E+01	1.E-01	2.E+00
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	2.E+01	NA	9.E+01
8.E+01	2.E+04	9.E+01	6.E+02

Concentrations	Arsenic	Barium	Cadmium	Chromium III	Copper	Lead
Concentration in surface soil	1.84E+01	4.34E+02	3.88E+01	9.13E+01	3.42E+02	4.64E+02
Concentration in sub-surface soil	1.55E+01	3.11E+02	1.42E+01	5.64E+01	1.76E+02	2.70E+02
Concentration used in ERA	1.84E+01	4.34E+02	3.88E+01	9.13E+01	3.42E+02	4.64E+02
Water concentration (mg/L)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Size of Site		**3.00E-02**				
Dose (mg/kg-d)						
Functional groups	Arsenic	Barium	Cadmium	Chromium III	Copper	Lead
Amphibians (A232)	3.59E-02	8.40E-01	7.35E-02	1.76E-01	6.54E-01	8.91E-01
Avian herbivores (AV121)	3.47E-04	2.65E-02	8.35E-03	4.88E-04	5.39E-02	9.18E-03
Avian herbivores (AV122)	5.11E-03	2.13E-01	5.01E-02	1.42E-02	3.40E-01	1.07E-01
Avian insectivores (AV210)	1.24E-02	2.91E-01	2.84E-02	4.39E-03	2.29E-01	9.57E-02
Black tern	2.38E-03	5.44E-02	4.80E-03	2.46E-03	4.05E-02	2.32E-02
Avian insectivores (AV210A)	4.00E-02	9.43E-01	9.24E-02	1.75E-02	7.43E-01	3.24E-01
Avian insectivores (AV221)	8.23E-01	1.93E+01	1.88E+00	3.15E-01	1.51E+01	6.43E+00
Avian insectivores (AV222)	4.03E-01	9.39E+00	8.90E-01	2.27E-01	7.26E+00	3.36E+00
Avian insectivores (AV222A)	2.47E-01	5.82E+00	5.67E-01	1.80E-01	4.58E+00	2.27E+00
Avian carnivores (AV310)	1.64E-05	2.01E-04	1.16E-03	3.03E-04	1.12E-03	4.43E-03
Northern goshawk	2.08E-06	2.54E-05	1.46E-04	3.83E-05	1.42E-04	5.60E-04
Peregrine falcon	1.48E-05	1.81E-04	1.04E-03	2.73E-04	1.01E-03	3.99E-03
Avian carnivores (AV322)	6.02E-04	7.35E-03	4.23E-02	1.11E-02	4.12E-02	1.62E-01
Bald eagle	5.29E-07	6.46E-06	3.72E-05	9.76E-06	3.62E-05	1.43E-04
Ferruginous hawk	2.02E-06	2.47E-05	1.42E-04	3.73E-05	1.38E-04	5.45E-04
Loggerhead shrike	7.70E-04	9.41E-03	5.42E-02	1.42E-02	5.27E-02	2.08E-01
Avian carnivores (AV322A)	1.06E-04	1.62E-03	6.08E-03	1.71E-03	6.40E-03	2.37E-02
Burrowing Owl	1.06E-04	1.62E-03	6.08E-03	1.71E-03	6.40E-03	2.37E-02
Avian omnivores (AV422)	5.04E-03	1.22E-01	2.05E-02	6.46E-03	1.03E-01	7.86E-02
Mammalian herbivores (M121)	4.02E-05	2.68E-03	8.01E-04	9.22E-05	5.20E-03	1.10E-03
Mammalian herbivores (M122)	6.52E-02	3.15E+00	8.17E-01	1.64E-01	5.45E+00	1.43E+00
Mammalian herbivores (M122A)	5.70E-02	2.54E+00	6.17E-01	2.08E-01	4.15E+00	1.50E+00
Pygmy rabbit	1.31E-02	8.71E-01	2.61E-01	3.00E-02	1.69E+00	3.57E-01
Mammalian herbivores (M123)	5.33E-02	2.38E+00	5.77E-01	1.95E-01	3.88E+00	1.40E+00
Mammalian insectivores (M210)	1.34E-02	3.16E-01	3.09E-02	4.76E-03	2.48E-01	1.04E-01
Mammalian insectivores (M210A)	7.12E-02	1.68E+00	1.65E-01	2.78E-02	1.32E+00	5.63E-01
Townsend's western big-eared bat	4.98E-02	1.17E+00	1.15E-01	1.71E-02	9.25E-01	3.85E-01
Small-footed myotis	7.09E-02	1.67E+00	1.64E-01	2.44E-02	1.32E+00	5.49E-01
Long-eared myotis	6.13E-02	1.45E+00	1.42E-01	2.40E-02	1.14E+00	4.86E-01
Mammalian insectivores (M222)	1.23E+00	2.91E+01	2.86E+00	5.05E-01	2.29E+01	9.86E+00
Mammalian carnivore (M322)	4.52E-04	8.50E-03	1.53E-02	5.15E-03	1.93E-02	6.31E-02
Mammalian omnivores (M422)	1.24E-01	2.97E+00	4.88E-01	1.75E-01	2.40E+00	2.02E+00
Mammalian omnivores (M422A)	1.71E-03	4.09E-02	6.72E-03	2.41E-03	3.31E-02	2.78E-02
Reptilian insectivores (R222)	3.99E-02	9.42E-01	9.25E-02	1.64E-02	7.43E-01	3.19E-01
Sagebrush lizard	3.99E-02	9.42E-01	9.25E-02	1.64E-02	7.43E-01	3.19E-01
Reptilian carnivores (R322)	7.18E-03	1.23E-01	3.27E-01	9.87E-02	3.70E-01	1.30E+00
Plants	1.84E+01	4.34E+02	3.88E+01	9.13E+01	3.42E+02	4.64E+02

Hazard Quotient (unitless)

Functional groups	Arsenic	Barium	Cadmium	Chromium III	Copper	Lead
Amphibians (A232)	NA	NA	NA	NA	NA	NA
Avian herbivores (AV121)	5.E-04	NA	5.E-01	4.E-04	1.E-02	3.E-01
Avian herbivores (AV122)	8.E-03	NA	3.E+00	1.E-02	9.E-02	4.E+00
Avian insectivores (AV210)	2.E-02	NA	2.E+00	3.E-03	6.E-02	2.E+00
Black tern	2.E-03	NA	4.E-01	2.E-03	1.E-02	8.E-01
Avian insectivores (AV210A)	6.E-02	NA	8.E+00	1.E-02	2.E-01	4.E+00
Avian insectivores (AV221)	1.E+00	NA	2.E+02	2.E-01	4.E+00	2.E+02
Avian insectivores (AV222)	6.E-01	NA	7.E+01	2.E-01	2.E+00	8.E+01
Avian insectivores (AV222A)	4.E-01	NA	5.E+01	1.E-01	1.E+00	6.E+01
Avian carnivores (AV310)	4.E-05	NA	1.E-01	2.E-04	3.E-04	1.E-01
Northern goshawk	5.E-06	NA	1.E-02	3.E-05	4.E-05	1.E-02
Peregrine falcon	4.E-05	NA	9.E-02	2.E-04	3.E-04	1.E-01
Avian carnivores (AV322)	1.E-03	NA	4.E+00	8.E-03	1.E-02	5.E+00
Bald eagle	1.E-06	NA	3.E-03	7.E-06	9.E-06	5.E-03
Ferruginous hawk	5.E-06	NA	1.E-02	3.E-05	4.E-05	2.E-02
Loggerhead shrike	2.E-03	NA	5.E+00	1.E-02	1.E-02	7.E+00
Avian carnivores (AV322A)	3.E-04	NA	5.E-01	1.E-03	2.E-03	8.E-01
Burrowing Owl	3.E-04	NA	5.E-01	1.E-03	2.E-03	8.E-01
Avian omnivores (AV422)	1.E-02	NA	8.E-02	3.E-03	2.E-02	3.E+00
Mammalian herbivores (M121)	1.E-04	6.E-05	1.E+00	4.E-07	8.E-03	4.E-04
Mammalian herbivores (M122)	2.E-01	7.E-02	1.E+03	7.E-04	8.E+00	5.E-01
Mammalian herbivores (M122A)	2.E-01	5.E-02	8.E+02	8.E-04	6.E+00	6.E-01
Pygmy rabbit	5.E-02	2.E-02	3.E+02	1.E-04	3.E+00	1.E-01
Mammalian herbivores (M123)	2.E-01	5.E-02	7.E+02	8.E-04	6.E+00	5.E-01
Mammalian insectivores (M210)	5.E-02	7.E-03	4.E+01	2.E-05	4.E-01	4.E-02
Mammalian insectivores (M210A)	3.E-01	4.E-02	2.E+02	1.E-04	2.E+00	2.E-01
Townsend's western big-eared bat	2.E-01	2.E-02	1.E+02	7.E-05	1.E+00	1.E-01
Small-footed myotis	3.E-01	4.E-02	2.E+02	1.E-04	2.E+00	2.E-01
Long-eared myotis	2.E-01	3.E-02	2.E+02	1.E-04	2.E+00	2.E-01
Mammalian insectivores (M222)	5.E+00	6.E-01	4.E+03	2.E-03	4.E+01	4.E+00
Mammalian carnivore (M322)	2.E-03	2.E-04	2.E+01	2.E-05	1.E-02	2.E-02
Mammalian omnivores (M422)	3.E-01	4.E-02	5.E+02	5.E-04	4.E+00	5.E-01
Mammalian omnivores (M422A)	5.E-03	6.E-04	7.E+00	6.E-06	5.E-02	8.E-03
Reptilian insectivores (R222)	NA	NA	NA	NA	NA	NA
Sagebrush lizard	NA	NA	NA	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA	NA	NA	NA
Plants	2.E+00	9.E-01	1.E+01	9.E+01	3.E+00	9.E+00
Maximum hazard quotient	5.E+00	9.E-01	4.E+03	9.E+01	4.E+01	2.E+02

Manganese	Mercury	Nickel	Selenium	Silver	Vanadium	Zinc
1.55E+02	5.80E-01	2.28E+01	2.00E+00	1.30E+00	3.15E+01	8.58E+02
6.17E+02	5.80E-01	3.17E+01	1.80E+00	1.40E+00	4.11E+01	4.38E+02
6.17E+02	5.80E-01	3.17E+01	2.00E+00	1.40E+00	4.11E+01	8.58E+02
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Manganese	Mercury	Nickel	Selenium	Silver	Vanadium	Zinc
1.21E+00	1.14E-03	6.24E-02	3.91E-03	2.76E-03	8.09E-02	1.64E+00
2.35E+00	2.05E-04	8.64E-04	2.65E-05	2.23E-04	2.49E-04	5.02E-01
1.34E+01	1.28E-03	1.13E-02	5.16E-04	1.55E-03	9.76E-03	2.93E+00
4.17E-01	1.61E-04	2.14E-02	1.35E-03	9.45E-04	2.77E-02	5.74E-01
8.32E-02	4.30E-05	4.28E-03	2.63E-04	1.89E-04	5.54E-03	1.02E-01
1.34E+00	5.27E-04	6.89E-02	4.34E-03	3.04E-03	8.93E-02	1.86E+00
2.77E+01	1.09E-02	1.42E+00	8.96E-02	6.29E-02	1.85E+00	3.80E+01
1.37E+01	5.88E-03	7.05E-01	4.40E-02	3.11E-02	9.13E-01	1.82E+01
8.27E+00	3.54E-03	4.25E-01	2.68E-02	1.88E-02	5.51E-01	1.15E+01
2.61E-03	6.52E-06	1.31E-05	1.35E-06	9.19E-06	1.66E-05	9.52E-03
3.29E-04	8.24E-07	1.65E-06	1.71E-07	1.16E-06	2.10E-06	1.20E-03
2.35E-03	5.88E-06	1.18E-05	1.22E-06	8.28E-06	1.50E-05	8.58E-03
9.54E-02	2.39E-04	4.79E-04	4.96E-05	3.37E-04	6.09E-04	3.49E-01
8.39E-05	2.10E-07	4.21E-07	4.36E-08	2.96E-07	5.35E-07	3.06E-04
3.20E-04	8.02E-07	1.61E-06	1.66E-07	1.13E-06	2.04E-06	1.17E-03
1.22E-01	3.06E-04	6.13E-04	6.35E-05	4.31E-04	7.80E-04	4.46E-01
1.41E-02	3.44E-05	9.49E-05	9.07E-06	4.89E-05	1.21E-04	5.09E-02
1.41E-02	3.44E-05	9.49E-05	9.07E-06	4.89E-05	1.21E-04	5.09E-02
8.18E-01	1.74E-04	8.94E-03	5.49E-04	4.46E-04	1.13E-02	3.59E-01
2.19E-01	1.93E-05	9.23E-05	3.29E-06	2.13E-05	3.85E-05	4.72E-02
2.23E+02	2.06E-02	1.48E-01	6.27E-03	2.40E-02	1.10E-01	4.82E+01
1.53E+02	1.43E-02	1.14E-01	5.45E-03	1.70E-02	9.18E-02	3.41E+01
7.13E+01	6.28E-03	3.00E-02	1.07E-03	6.93E-03	1.25E-02	1.54E+01
1.43E+02	1.34E-02	1.07E-01	5.09E-03	1.59E-02	8.58E-02	3.19E+01
4.52E-01	1.75E-04	2.32E-02	1.46E-03	1.03E-03	3.01E-02	6.23E-01
2.39E+00	9.24E-04	1.23E-01	7.73E-03	5.41E-03	1.59E-01	3.32E+00
1.67E+00	6.37E-04	8.58E-02	5.41E-03	3.79E-03	1.11E-01	2.32E+00
2.38E+00	9.07E-04	1.22E-01	7.71E-03	5.39E-03	1.58E-01	3.31E+00
2.06E+00	7.97E-04	1.06E-01	6.67E-03	4.67E-03	1.37E-01	2.86E+00
4.14E+01	1.61E-02	2.13E+00	1.34E-01	9.39E-02	2.76E+00	5.75E+01
4.09E-02	9.04E-05	5.64E-04	4.32E-05	1.35E-04	7.27E-04	1.34E-01
8.69E+00	3.25E-03	2.15E-01	1.35E-02	9.84E-03	2.77E-01	6.74E+00
1.19E-01	4.47E-05	2.96E-03	1.86E-04	1.36E-04	3.81E-03	9.28E-02
1.34E+00	5.22E-04	6.88E-02	4.34E-03	3.04E-03	8.92E-02	1.86E+00
1.34E+00	5.22E-04	6.88E-02	4.34E-03	3.04E-03	8.92E-02	1.86E+00
8.00E-01	1.88E-03	7.72E-03	6.51E-04	2.72E-03	9.92E-03	2.78E+00
6.17E+02	5.80E-01	3.17E+01	2.00E+00	1.40E+00	4.11E+01	8.58E+02

Manganese	Mercury	Nickel	Selenium	Silver	Vanadium	Zinc
NA	NA	NA	NA	NA	NA	NA
3.E-02	5.E-02	1.E-04	2.E-04	2.E-04	2.E-03	4.E-02
2.E-01	3.E-01	1.E-03	4.E-03	1.E-03	8.E-02	2.E-01
6.E-03	1.E-03	1.E-02	2.E-02	8.E-04	3.E-01	3.E-01
1.E-03	5.E-03	2.E-03	3.E-03	2.E-04	7.E-02	5.E-02
2.E-02	3.E-03	3.E-02	5.E-02	2.E-03	1.E+00	9.E-01
4.E-01	7.E-02	7.E-01	1.E+00	5.E-02	2.E+01	2.E+01
2.E-01	4.E-02	3.E-01	5.E-01	2.E-02	1.E+01	9.E+00
1.E-01	2.E-02	2.E-01	3.E-01	2.E-02	7.E+00	6.E+00
4.E-05	4.E-05	6.E-06	2.E-05	7.E-06	2.E-04	5.E-03
5.E-06	5.E-06	8.E-07	2.E-06	9.E-07	3.E-05	6.E-04
3.E-05	4.E-05	6.E-06	2.E-05	7.E-06	2.E-04	4.E-03
1.E-03	1.E-03	2.E-04	6.E-04	3.E-04	8.E-03	2.E-01
1.E-06	1.E-06	2.E-07	6.E-07	2.E-07	7.E-06	2.E-04
5.E-06	5.E-06	8.E-07	2.E-06	9.E-07	3.E-05	6.E-04
2.E-03	2.E-03	3.E-04	8.E-04	3.E-04	1.E-02	2.E-01
2.E-04	2.E-04	5.E-05	1.E-04	4.E-05	2.E-03	3.E-02
2.E-04	2.E-04	5.E-05	1.E-04	4.E-05	2.E-03	3.E-02
8.E-03	7.E-04	3.E-03	2.E-02	2.E-04	1.E-01	1.E-01
8.E-03	2.E-03	1.E-04	1.E-04	2.E-06	3.E-04	1.E-02
8.E+00	2.E+00	2.E-01	3.E-01	2.E-03	7.E-01	1.E+01
5.E+00	2.E+00	1.E-01	2.E-01	1.E-03	6.E-01	8.E+00
2.E+00	7.E-01	4.E-02	4.E-02	5.E-04	8.E-02	4.E+00
5.E+00	1.E+00	1.E-01	2.E-01	1.E-03	6.E-01	8.E+00
2.E-02	2.E-02	3.E-02	6.E-02	8.E-05	2.E-01	1.E-01
8.E-02	1.E-01	1.E-01	3.E-01	4.E-04	1.E+00	8.E-01
6.E-02	8.E-02	1.E-01	2.E-01	3.E-04	7.E-01	6.E-01
8.E-02	1.E-01	1.E-01	3.E-01	4.E-04	1.E+00	8.E-01
7.E-02	1.E-01	1.E-01	3.E-01	3.E-04	9.E-01	7.E-01
1.E+00	9.E+00	3.E+00	5.E+00	7.E-03	2.E+01	1.E+01
1.E-03	1.E-02	7.E-04	2.E-03	1.E-05	5.E-03	4.E-03
2.E-01	3.E-01	2.E-01	4.E-01	6.E-04	1.E+00	1.E+00
3.E-03	4.E-03	2.E-04	5.E-03	8.E-06	2.E-02	1.E-02
NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA
1.E+00	2.E+00	1.E+00	NA	7.E-01	2.E-01	2.E+01
8.E+00	9.E+00	3.E+00	5.E+00	7.E-01	2.E+01	2.E+01

Concentrations	Arsenic	Barium	Cadmium	Chromium III	Cobalt	Copper
Concentration in surface soil	9.02E+00	1.90E+02	6.53E-01	2.36E+01	7.39E+00	6.11E+01
Concentration in sub-surface soil	5.35E+00	1.80E+02	3.30E+00	2.65E+01	7.77E+00	3.86E+01
Concentration used in ERA	9.02E+00	1.90E+02	3.30E+00	2.65E+01	7.77E+00	6.11E+01
Water concentration (mg/L)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Size of Site		**7.43E-01**				
Dose (mg/kg-d)						
Functional groups	Arsenic	Barium	Cadmium	Chromium III	Cobalt	Copper
Amphibians (A232)	7.14E-02	1.54E+00	2.68E-02	2.15E-01	6.30E-02	4.85E-01
Avian herbivores (AV121)	3.99E-03	2.92E-01	1.78E-02	4.49E-03	7.56E-02	2.39E-01
Avian herbivores (AV122)	4.95E-02	2.56E+00	1.17E-01	1.59E-01	4.66E-01	1.55E+00
Avian insectivores (AV210)	1.50E-01	3.17E+00	6.06E-02	3.49E-02	1.30E-01	1.01E+00
Black tern	2.71E-02	6.26E-01	1.19E-02	2.61E-02	2.60E-02	1.85E-01
Avian insectivores (AV210A)	4.85E-01	1.02E+01	1.95E-01	1.26E-01	4.18E-01	3.29E+00
Avian insectivores (AV221)	1.73E+00	3.69E+01	7.05E-01	4.55E-01	1.51E+00	1.18E+01
Avian insectivores (AV222)	2.44E+00	5.32E+01	1.01E+00	1.10E+00	2.19E+00	1.66E+01
Avian insectivores (AV222A)	1.65E+00	3.48E+01	6.59E-01	7.15E-01	1.42E+00	1.12E+01
Avian carnivores (AV310)	1.82E-04	2.52E-03	2.45E-03	2.26E-03	3.07E-03	5.03E-03
Northern goshawk	2.30E-05	3.19E-04	3.10E-04	2.85E-04	3.87E-04	6.36E-04
Peregrine falcon	1.64E-04	2.27E-03	2.21E-03	2.04E-03	2.76E-03	4.53E-03
Avian carnivores (AV322)	6.66E-03	9.24E-02	8.98E-02	8.27E-02	1.12E-01	1.84E-01
Bald eagle	5.85E-06	8.12E-05	7.89E-05	7.27E-05	9.87E-05	1.62E-04
Ferruginous hawk	2.23E-05	3.10E-04	3.01E-04	2.78E-04	3.77E-04	6.18E-04
Loggerhead shrike	8.52E-03	1.18E-01	1.15E-01	1.06E-01	1.44E-01	2.36E-01
Avian carnivores (AV322A)	1.28E-03	1.75E-02	1.28E-02	1.23E-02	1.61E-02	2.83E-02
Burrowing Owl	1.28E-03	1.75E-02	1.28E-02	1.23E-02	1.61E-02	2.83E-02
Avian omnivores (AV422)	5.93E-02	1.36E+00	4.50E-02	5.54E-02	7.36E-02	4.62E-01
Mammalian herbivores (M121)	4.88E-04	2.90E-02	1.69E-03	6.63E-04	7.11E-03	2.30E-02
Mammalian herbivores (M122)	2.02E-01	1.14E+01	5.72E-01	5.56E-01	2.33E+00	7.60E+00
Mammalian herbivores (M122A)	2.80E-01	1.11E+01	5.25E-01	6.05E-01	2.11E+00	7.42E+00
Pygmy rabbit	5.99E-02	3.56E+00	2.07E-01	8.13E-02	8.71E-01	2.82E+00
Mammalian herbivores (M123)	1.74E-01	6.94E+00	3.27E-01	3.77E-01	1.32E+00	4.62E+00
Mammalian insectivores (M210)	1.62E-01	3.45E+00	6.58E-02	3.79E-02	1.41E-01	1.10E+00
Mammalian insectivores (M210A)	8.64E-01	1.82E+01	3.47E-01	2.00E-01	7.44E-01	5.85E+00
Townsend's western big-eared bat	6.04E-01	1.27E+01	2.43E-01	1.23E-01	5.21E-01	4.09E+00
Small-footed myotis	8.61E-01	1.81E+01	3.46E-01	1.76E-01	7.42E-01	5.83E+00
Long-eared myotis	7.45E-01	1.57E+01	2.99E-01	1.72E-01	6.42E-01	5.04E+00
Mammalian insectivores (M222)	2.50E+00	5.27E+01	1.00E+00	6.06E-01	2.15E+00	1.69E+01
Mammalian carnivore (M322)	5.49E-03	9.22E-02	3.23E-02	3.70E-02	4.15E-02	8.54E-02
Mammalian omnivores (M422)	1.46E+00	3.12E+01	9.95E-01	1.22E+00	1.40E+00	1.03E+01
Mammalian omnivores (M422A)	2.08E-02	4.44E-01	1.41E-02	1.73E-02	1.98E-02	1.47E-01
Reptilian insectivores (R222)	7.64E-02	1.61E+00	3.07E-02	1.85E-02	6.58E-02	5.17E-01
Sagebrush lizard	7.64E-02	1.61E+00	3.07E-02	1.85E-02	6.58E-02	5.17E-01
Reptilian carnivores (R322)	8.72E-02	1.33E+00	6.88E-01	7.09E-01	8.72E-01	1.64E+00
Plants	9.02E+00	1.90E+02	3.30E+00	2.65E+01	7.77E+00	6.11E+01

Hazard Quotient (unitless)

Functional groups	Arsenic	Barium	Cadmium	Chromium III	Cobalt	Copper
Amphibians (A232)	NA	NA	NA	NA	NA	NA
Avian herbivores (AV121)	6.E-03	NA	1.E+00	3.E-03	4.E-01	6.E-02
Avian herbivores (AV122)	8.E-02	NA	7.E+00	1.E-01	2.E+00	4.E-01
Avian insectivores (AV210)	2.E-01	NA	5.E+00	3.E-02	6.E-01	3.E-01
Black tern	2.E-02	NA	1.E+00	2.E-02	1.E-01	5.E-02
Avian insectivores (AV210A)	8.E-01	NA	2.E+01	9.E-02	2.E+00	8.E-01
Avian insectivores (AV221)	3.E+00	NA	6.E+01	3.E-01	7.E+00	3.E+00
Avian insectivores (AV222)	4.E+00	NA	8.E+01	8.E-01	1.E+01	4.E+00
Avian insectivores (AV222A)	3.E+00	NA	5.E+01	5.E-01	7.E+00	3.E+00
Avian carnivores (AV310)	4.E-04	NA	2.E-01	2.E-03	1.E-02	1.E-03
Northern goshawk	6.E-05	NA	3.E-02	2.E-04	2.E-03	2.E-04
Peregrine falcon	4.E-04	NA	2.E-01	1.E-03	1.E-02	1.E-03
Avian carnivores (AV322)	2.E-02	NA	7.E+00	6.E-02	5.E-01	5.E-02
Bald eagle	1.E-05	NA	7.E-03	5.E-05	5.E-04	4.E-05
Ferruginous hawk	5.E-05	NA	3.E-02	2.E-04	2.E-03	2.E-04
Loggerhead shrike	2.E-02	NA	1.E+01	8.E-02	7.E-01	6.E-02
Avian carnivores (AV322A)	3.E-03	NA	1.E+00	9.E-03	8.E-02	7.E-03
Burrowing Owl	3.E-03	NA	1.E+00	9.E-03	8.E-02	7.E-03
Avian omnivores (AV422)	1.E-01	NA	2.E-01	3.E-02	2.E-01	8.E-02
Mammalian herbivores (M121)	2.E-03	6.E-04	2.E+00	3.E-06	5.E-02	4.E-02
Mammalian herbivores (M122)	7.E-01	2.E-01	7.E+02	2.E-03	2.E+01	1.E+01
Mammalian herbivores (M122A)	1.E+00	2.E-01	7.E+02	2.E-03	2.E+01	1.E+01
Pygmy rabbit	2.E-01	7.E-02	3.E+02	3.E-04	6.E+00	4.E+00
Mammalian herbivores (M123)	6.E-01	1.E-01	4.E+02	2.E-03	9.E+00	7.E+00
Mammalian insectivores (M210)	6.E-01	7.E-02	8.E+01	2.E-04	1.E+00	2.E+00
Mammalian insectivores (M210A)	3.E+00	4.E-01	4.E+02	8.E-04	5.E+00	9.E+00
Townsend's western big-eared bat	2.E+00	3.E-01	3.E+02	5.E-04	4.E+00	6.E+00
Small-footed myotis	3.E+00	4.E-01	4.E+02	7.E-04	5.E+00	9.E+00
Long-eared myotis	3.E+00	3.E-01	4.E+02	7.E-04	5.E+00	8.E+00
Mammalian insectivores (M222)	9.E+00	1.E+00	1.E+03	2.E-03	2.E+01	3.E+01
Mammalian carnivore (M322)	2.E-02	2.E-03	4.E+01	1.E-04	3.E-01	4.E-02
Mammalian omnivores (M422)	4.E+00	4.E-01	1.E+03	3.E-03	1.E+01	2.E+01
Mammalian omnivores (M422A)	7.E-02	6.E-03	1.E+01	5.E-05	5.E-03	2.E-01
Reptilian insectivores (R222)	NA	NA	NA	NA	NA	NA
Sagebrush lizard	NA	NA	NA	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA	NA	NA	NA
Plants	9.E-01	4.E-01	1.E+00	3.E+01	NA	6.E-01
Maximum hazard quotient	9.E+00	1.E+00	1.E+03	3.E+01	2.E+01	3.E+01

Lead	Manganese	Mercury	Nickel	Selenium	Silver	Vanadium	Zinc
3.68E+01	3.09E+02	0.00E+00	2.38E+01	1.11E+00	2.67E+00	2.85E+01	9.72E+01
6.31E+00	3.01E+02	1.10E-01	2.24E+01	8.65E-01	6.09E-01	2.61E+01	1.60E+02
3.68E+01	3.09E+02	1.10E-01	2.38E+01	1.11E+00	2.67E+00	2.85E+01	1.60E+02
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Lead	Manganese	Mercury	Nickel	Selenium	Silver	Vanadium	Zinc
2.84E-01	2.50E+00	8.92E-04	1.92E-01	8.88E-03	2.07E-02	2.30E-01	1.30E+00
1.66E-02	2.92E+01	9.64E-04	1.59E-02	3.51E-04	1.03E-02	4.05E-03	2.33E+00
1.25E-01	1.67E+02	6.00E-03	2.03E-01	6.34E-03	6.15E-02	1.54E-01	1.40E+01
1.83E-01	5.16E+00	7.58E-04	3.97E-01	1.85E-02	4.40E-02	4.76E-01	2.68E+00
3.29E-02	1.03E+00	2.02E-04	7.83E-02	3.50E-03	7.20E-03	9.32E-02	5.35E-01
6.35E-01	1.66E+01	2.47E-03	1.28E+00	5.97E-02	1.44E-01	1.53E+00	8.61E+00
2.12E+00	6.01E+01	8.95E-03	4.63E+00	2.15E-01	5.08E-01	5.54E+00	3.12E+01
2.98E+00	8.68E+01	1.41E-02	6.66E+00	3.06E-01	6.98E-01	7.96E+00	4.50E+01
2.46E+00	5.66E+01	9.18E-03	4.36E+00	2.03E-01	4.89E-01	5.22E+00	2.93E+01
8.59E-03	3.23E-02	3.06E-05	2.32E-04	1.76E-05	4.18E-04	2.67E-04	4.46E-02
1.09E-03	4.07E-03	3.87E-06	2.93E-05	2.22E-06	5.28E-05	3.37E-05	5.63E-03
7.74E-03	2.91E-02	2.76E-05	2.09E-04	1.58E-05	3.77E-04	2.40E-04	4.02E-02
3.15E-01	1.18E+00	1.12E-03	8.50E-03	6.43E-04	1.53E-02	9.77E-03	1.63E+00
2.76E-04	1.04E-03	9.87E-07	7.47E-06	5.65E-07	1.35E-05	8.58E-06	1.44E-03
1.06E-03	3.96E-03	3.77E-06	2.85E-05	2.16E-06	5.14E-05	3.28E-05	5.48E-03
4.03E-01	1.51E+00	1.44E-03	1.09E-02	8.23E-04	1.96E-02	1.25E-02	2.09E+00
4.66E-02	1.74E-01	1.61E-04	1.77E-03	1.25E-04	2.31E-03	2.09E-03	2.35E-01
4.66E-02	1.74E-01	1.61E-04	1.77E-03	1.25E-04	2.31E-03	2.09E-03	2.35E-01
1.41E-01	1.01E+01	8.17E-04	1.65E-01	7.43E-03	1.92E-02	1.93E-01	1.73E+00
2.16E-03	2.72E+00	9.08E-05	1.72E-03	4.52E-05	1.01E-03	6.62E-04	2.18E-01
5.84E-01	8.56E+02	2.99E-02	8.24E-01	2.41E-02	3.12E-01	5.37E-01	7.04E+01
1.19E+00	7.67E+02	2.72E-02	8.57E-01	3.02E-02	3.24E-01	6.36E-01	6.36E+01
2.64E-01	3.33E+02	1.11E-02	2.10E-01	5.54E-03	1.23E-01	8.11E-02	2.67E+01
7.39E-01	4.78E+02	1.69E-02	5.34E-01	1.88E-02	2.02E-01	3.96E-01	3.96E+01
1.99E-01	5.61E+00	8.23E-04	4.32E-01	2.01E-02	4.77E-02	5.17E-01	2.91E+00
1.11E+00	2.96E+01	4.34E-03	2.28E+00	1.06E-01	2.56E-01	2.73E+00	1.53E+01
7.57E-01	2.07E+01	2.99E-03	1.59E+00	7.44E-02	1.79E-01	1.91E+00	1.07E+01
1.08E+00	2.95E+01	4.26E-03	2.27E+00	1.06E-01	2.55E-01	2.72E+00	1.53E+01
9.54E-01	2.55E+01	3.74E-03	1.97E+00	9.16E-02	2.20E-01	2.35E+00	1.32E+01
3.23E+00	8.56E+01	1.26E-02	6.60E+00	3.08E-01	7.40E-01	7.90E+00	4.43E+01
1.24E-01	5.08E-01	4.25E-04	1.05E-02	5.93E-04	6.36E-03	1.25E-02	6.18E-01
3.85E+00	1.04E+02	1.48E-02	3.87E+00	1.80E-01	4.51E-01	4.61E+00	3.02E+01
5.47E-02	1.48E+00	2.10E-04	5.50E-02	2.56E-03	6.40E-03	6.55E-02	4.29E-01
9.87E-02	2.62E+00	3.86E-04	2.02E-01	9.40E-03	2.26E-02	2.41E-01	1.35E+00
9.87E-02	2.62E+00	3.86E-04	2.02E-01	9.40E-03	2.26E-02	2.41E-01	1.35E+00
2.56E+00	9.92E+00	8.82E-03	1.44E-01	8.95E-03	1.29E-01	1.70E-01	1.28E+01
3.68E+01	3.09E+02	1.10E-01	2.38E+01	1.11E+00	2.67E+00	2.85E+01	1.60E+02

Lead	Manganese	Mercury	Nickel	Selenium	Silver	Vanadium	Zinc
NA	NA	NA	NA	NA	NA	NA	NA
6.E-01	4.E-01	2.E-01	2.E-03	3.E-03	8.E-03	3.E-02	2.E-01
4.E+00	2.E+00	2.E+00	2.E-02	5.E-02	5.E-02	1.E+00	1.E+00
5.E+00	7.E-02	5.E-03	2.E-01	2.E-01	4.E-02	6.E+00	1.E+00
1.E+00	1.E-02	3.E-02	4.E-02	4.E-02	6.E-03	1.E+00	3.E-01
8.E+00	2.E-01	2.E-02	6.E-01	7.E-01	1.E-01	2.E+01	4.E+00
5.E+01	9.E-01	6.E-02	2.E+00	3.E+00	4.E-01	7.E+01	2.E+01
7.E+01	1.E+00	9.E-02	3.E+00	4.E+00	6.E-01	1.E+02	2.E+01
6.E+01	8.E-01	6.E-02	2.E+00	2.E+00	4.E-01	7.E+01	1.E+01
3.E-01	5.E-04	2.E-04	1.E-04	2.E-04	3.E-04	3.E-03	2.E-02
3.E-02	6.E-05	2.E-05	1.E-05	3.E-05	4.E-05	4.E-04	3.E-03
2.E-01	4.E-04	2.E-04	1.E-04	2.E-04	3.E-04	3.E-03	2.E-02
1.E+01	2.E-02	7.E-03	4.E-03	8.E-03	1.E-02	1.E-01	8.E-01
9.E-03	1.E-05	6.E-06	4.E-06	7.E-06	1.E-05	1.E-04	7.E-04
4.E-02	6.E-05	2.E-05	1.E-05	3.E-05	4.E-05	4.E-04	3.E-03
1.E+01	2.E-02	9.E-03	5.E-03	1.E-02	2.E-02	2.E-01	1.E+00
2.E+00	2.E-03	1.E-03	9.E-04	2.E-03	2.E-03	3.E-02	1.E-01
2.E+00	2.E-03	1.E-03	9.E-04	2.E-03	2.E-03	3.E-02	1.E-01
5.E+00	1.E-01	3.E-03	5.E-02	3.E-01	8.E-03	2.E+00	6.E-01
8.E-04	9.E-02	1.E-02	2.E-03	2.E-03	7.E-05	4.E-03	5.E-02
2.E-01	3.E+01	3.E+00	1.E+00	1.E+00	2.E-02	4.E+00	2.E+01
4.E-01	3.E+01	3.E+00	1.E+00	1.E+00	2.E-02	4.E+00	2.E+01
1.E-01	1.E+01	1.E+00	3.E-01	2.E-01	9.E-03	5.E-01	6.E+00
3.E-01	2.E+01	2.E+00	6.E-01	8.E-01	1.E-02	3.E+00	1.E+01
7.E-02	2.E-01	1.E-01	5.E-01	8.E-01	4.E-03	3.E+00	7.E-01
4.E-01	1.E+00	5.E-01	3.E+00	4.E+00	2.E-02	2.E+01	4.E+00
3.E-01	7.E-01	4.E-01	2.E+00	3.E+00	1.E-02	1.E+01	3.E+00
4.E-01	1.E+00	5.E-01	3.E+00	4.E+00	2.E-02	2.E+01	4.E+00
4.E-01	9.E-01	5.E-01	2.E+00	4.E+00	2.E-02	2.E+01	3.E+00
1.E+00	3.E+00	7.E+00	8.E+00	1.E+01	5.E-02	5.E+01	1.E+01
5.E-02	2.E-02	5.E-02	1.E-02	2.E-02	5.E-04	8.E-02	2.E-02
1.E+00	2.E+00	1.E+00	3.E+00	5.E+00	3.E-02	2.E+01	5.E+00
2.E-02	3.E-02	2.E-02	4.E-03	7.E-02	4.E-04	3.E-01	7.E-02
NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA
7.E-01	6.E-01	4.E-01	8.E-01	NA	1.E+00	1.E-01	3.E+00
7.E+01	3.E+01	7.E+00	8.E+00	1.E+01	1.E+00	1.E+02	2.E+01

Concentrations	Arsenic	Lead
Concentration in surface soil	1.45E+01	1.53E+02
Concentration in sub-surface soil	0.00E+00	0.00E+00
Concentration used in ERA	1.45E+01	1.53E+02
Water concentration (mg/L)	0.00E+00	0.00E+00
Size of Site	**2.50E-01**	
Dose (mg/kg-d)		
Functional groups	Arsenic	Lead
Amphibians (A232)	1.11E-01	1.17E+00
Avian herbivores (AV121)	1.88E-03	2.23E-02
Avian herbivores (AV122)	1.06E-02	1.26E-01
Avian insectivores (AV210)	7.99E-02	2.53E-01
Black tern	1.22E-02	3.87E-02
Avian insectivores (AV210A)	2.62E-01	8.89E-01
Avian insectivores (AV221)	2.74E+00	8.67E+00
Avian insectivores (AV222)	2.44E+00	7.71E+00
Avian insectivores (AV222A)	1.62E+00	6.24E+00
Avian carnivores (AV310)	7.55E-05	1.19E-02
Northern goshawk	9.54E-06	1.51E-03
Peregrine falcon	6.80E-05	1.08E-02
Avian carnivores (AV322)	2.76E-03	4.38E-01
Bald eagle	2.43E-06	3.85E-04
Ferruginous hawk	9.28E-06	1.47E-03
Loggerhead shrike	3.54E-03	5.60E-01
Avian carnivores (AV322A)	6.95E-04	6.52E-02
Burrowing Owl	6.95E-04	6.52E-02
Avian omnivores (AV422)	2.95E-02	1.90E-01
Mammalian herbivores (M121)	2.64E-04	3.02E-03
Mammalian herbivores (M122)	1.63E-01	1.93E+00
Mammalian herbivores (M122A)	3.75E-01	4.11E+00
Pygmy rabbit	8.59E-02	9.82E-01
Mammalian herbivores (M123)	2.80E-01	3.07E+00
Mammalian insectivores (M210)	8.68E-02	2.75E-01
Mammalian insectivores (M210A)	4.67E-01	1.55E+00
Townsend's western big-eared bat	3.27E-01	1.06E+00
Small-footed myotis	4.66E-01	1.51E+00
Long-eared myotis	4.03E-01	1.33E+00
Mammalian insectivores (M222)	4.02E+00	1.34E+01
Mammalian carnivore (M322)	2.97E-03	1.73E-01
Mammalian omnivores (M422)	8.17E-01	5.55E+00
Mammalian omnivores (M422A)	1.13E-02	7.65E-02
Reptilian insectivores (R222)	1.23E-01	4.10E-01
Sagebrush lizard	1.23E-01	4.10E-01
Reptilian carnivores (R322)	4.72E-02	3.58E+00
Plants	1.45E+01	1.53E+02

Hazard Quotient (unitless)

Functional groups	Arsenic	Lead
Amphibians (A232)	NA	NA
Avian herbivores (AV121)	3.E-03	7.E-01
Avian herbivores (AV122)	2.E-02	4.E+00
Avian insectivores (AV210)	1.E-01	6.E+00
Black tern	9.E-03	1.E+00
Avian insectivores (AV210A)	4.E-01	1.E+01
Avian insectivores (AV221)	4.E+00	2.E+02
Avian insectivores (AV222)	4.E+00	2.E+02
Avian insectivores (AV222A)	3.E+00	2.E+02
Avian carnivores (AV310)	2.E-04	4.E-01
Northern goshawk	2.E-05	4.E-02
Peregrine falcon	2.E-04	3.E-01
Avian carnivores (AV322)	7.E-03	1.E+01
Bald eagle	6.E-06	1.E-02
Ferruginous hawk	2.E-05	5.E-02
Loggerhead shrike	9.E-03	2.E+01
Avian carnivores (AV322A)	2.E-03	2.E+00
Burrowing Owl	2.E-03	2.E+00
Avian omnivores (AV422)	7.E-02	6.E+00
Mammalian herbivores (M121)	1.E-03	1.E-03
Mammalian herbivores (M122)	6.E-01	7.E-01
Mammalian herbivores (M122A)	1.E+00	2.E+00
Pygmy rabbit	3.E-01	4.E-01
Mammalian herbivores (M123)	1.E+00	1.E+00
Mammalian insectivores (M210)	3.E-01	1.E-01
Mammalian insectivores (M210A)	2.E+00	6.E-01
Townsend's western big-eared bat	1.E+00	4.E-01
Small-footed myotis	2.E+00	6.E-01
Long-eared myotis	1.E+00	5.E-01
Mammalian insectivores (M222)	1.E+01	5.E+00
Mammalian carnivore (M322)	1.E-02	6.E-02
Mammalian omnivores (M422)	2.E+00	1.E+00
Mammalian omnivores (M422A)	4.E-02	2.E-02
Reptilian insectivores (R222)	NA	NA
Sagebrush lizard	NA	NA
Reptilian carnivores (R322)	NA	NA
Plants	1.E+00	3.E+00
Maximum hazard quotient	1.E+01	2.E+02

Concentrations	Aroclor-1254	Arsenic	Barium	Benzo(a)pyrene	Chromium III	Copper
Concentration in surface soil	6.70E-01	1.14E+01	4.66E+02	4.20E-02	7.76E+01	3.30E+01
Concentration in sub-surface soil	1.30E+00	1.41E+01	2.03E+02	0.00E+00	6.20E+01	2.75E+01
Concentration used in ERA	1.30E+00	1.41E+01	4.66E+02	4.20E-02	7.76E+01	3.30E+01
Water concentration (mg/L)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Size of Site	**1.85E+00**					
Dose (mg/kg-d)						
Functional groups	Aroclor-1254	Arsenic	Barium	Benzo(a)pyrene	Chromium III	Copper
Amphibians (A232)	1.05E-02	1.14E-01	3.65E+00	3.20E-04	6.22E-01	2.65E-01
Avian herbivores (AV121)	7.11E-04	1.69E-02	1.72E+00	1.23E-05	2.90E-02	3.23E-01
Avian herbivores (AV122)	2.03E-02	2.72E-01	1.23E+01	6.95E-05	9.41E-01	2.17E+00
Avian insectivores (AV210)	1.10E-03	5.87E-01	1.92E+01	7.03E-07	2.42E-01	1.37E+00
Black tern	2.71E-03	1.17E-01	3.33E+00	1.07E-07	1.58E-01	2.63E-01
Avian insectivores (AV210A)	5.29E-03	1.89E+00	6.24E+01	1.71E-04	9.17E-01	4.42E+00
Avian insectivores (AV221)	7.69E-03	2.75E+00	8.92E+01	3.25E-06	1.24E+00	6.39E+00
Avian insectivores (AV222)	3.42E-02	3.97E+00	1.24E+02	4.40E-06	2.81E+00	9.15E+00
Avian insectivores (AV222A)	2.22E-02	2.58E+00	8.53E+01	7.18E-04	2.10E+00	6.04E+00
Avian carnivores (AV310)	2.60E-05	8.20E-04	1.07E-02	1.66E-08	1.62E-02	6.90E-03
Northern goshawk	3.29E-06	1.04E-04	1.35E-03	2.09E-09	2.04E-03	8.71E-04
Peregrine falcon	2.35E-05	7.39E-04	9.66E-03	1.49E-08	1.46E-02	6.21E-03
Avian carnivores (AV322)	9.54E-04	3.00E-02	3.93E-01	6.07E-07	5.92E-01	2.53E-01
Bald eagle	8.38E-07	2.64E-05	3.45E-04	5.34E-10	5.20E-04	2.22E-04
Ferruginous hawk	3.20E-06	1.01E-04	1.32E-03	2.04E-09	1.99E-03	8.48E-04
Loggerhead shrike	1.22E-03	3.85E-02	5.03E-01	7.77E-07	7.58E-01	3.23E-01
Avian carnivores (AV322A)	2.04E-04	5.00E-03	1.07E-01	6.58E-06	8.96E-02	3.81E-02
Burrowing Owl	2.04E-04	5.00E-03	1.07E-01	6.58E-06	8.96E-02	3.81E-02
Avian omnivores (AV422)	2.97E-03	2.43E-01	7.80E+00	3.64E-06	3.69E-01	6.36E-01
Mammalian herbivores (M121)	9.61E-05	1.90E-03	1.77E-01	3.06E-06	4.83E-03	3.10E-02
Mammalian herbivores (M122)	2.92E-02	4.25E-01	2.35E+01	1.44E-04	1.33E+00	4.23E+00
Mammalian herbivores (M122A)	3.14E-02	4.37E-01	2.73E+01	1.01E-03	1.77E+00	4.01E+00
Pygmy rabbit	4.73E-03	9.36E-02	8.72E+00	1.50E-04	2.38E-01	1.52E+00
Mammalian herbivores (M123)	1.95E-02	2.72E-01	1.70E+01	6.28E-04	1.10E+00	2.50E+00
Mammalian insectivores (M210)	1.20E-03	6.38E-01	2.08E+01	7.63E-07	2.62E-01	1.49E+00
Mammalian insectivores (M210A)	6.32E-03	3.36E+00	1.11E+02	2.04E-04	1.46E+00	7.87E+00
Townsend's western big-eared bat	2.25E-03	2.35E+00	7.77E+01	7.29E-05	8.98E-01	5.51E+00
Small-footed myotis	3.21E-03	3.35E+00	1.11E+02	1.04E-04	1.28E+00	7.84E+00
Long-eared myotis	5.45E-03	2.90E+00	9.58E+01	1.76E-04	1.26E+00	6.78E+00
Mammalian insectivores (M222)	8.79E-03	3.91E+00	1.29E+02	2.84E-04	1.78E+00	9.15E+00
Mammalian carnivore (M322)	1.34E-03	2.14E-02	5.63E-01	4.32E-05	2.70E-01	1.15E-01
Mammalian omnivores (M422)	2.24E-02	2.29E+00	7.65E+01	7.22E-04	3.57E+00	5.57E+00
Mammalian omnivores (M422A)	7.89E-04	8.10E-02	2.71E+00	2.55E-05	1.26E-01	1.97E-01
Reptilian insectivores (R222)	2.68E-04	1.19E-01	3.95E+00	8.68E-06	5.42E-02	2.79E-01
Sagebrush lizard	2.68E-04	1.19E-01	3.95E+00	8.68E-06	5.42E-02	2.79E-01
Reptilian carnivores (R322)	1.76E-02	3.39E-01	8.11E+00	5.68E-04	5.17E+00	2.20E+00
Plants	1.30E+00	1.41E+01	4.66E+02	4.20E-02	7.76E+01	3.30E+01

Hazard Quotient (unitless)

Functional groups	Aroclor-1254	Arsenic	Barium	Benzo(a)pyrene	Chromium III	Copper
Amphibians (A232)	NA	NA	NA	NA	NA	NA
Avian herbivores (AV121)	2.E-02	3.E-02	NA	NA	2.E-02	8.E-02
Avian herbivores (AV122)	5.E-01	4.E-01	NA	NA	7.E-01	6.E-01
Avian insectivores (AV210)	3.E-02	9.E-01	NA	NA	2.E-01	3.E-01
Black tern	7.E-02	9.E-02	NA	NA	1.E-01	7.E-02
Avian insectivores (AV210A)	1.E-01	3.E+00	NA	NA	7.E-01	1.E+00
Avian insectivores (AV221)	2.E-01	4.E+00	NA	NA	9.E-01	2.E+00
Avian insectivores (AV222)	9.E-01	6.E+00	NA	NA	2.E+00	2.E+00
Avian insectivores (AV222A)	6.E-01	4.E+00	NA	NA	2.E+00	2.E+00
Avian carnivores (AV310)	1.E-02	2.E-03	NA	NA	1.E-02	2.E-03
Northern goshawk	1.E-03	3.E-04	NA	NA	2.E-03	2.E-04
Peregrine falcon	9.E-03	2.E-03	NA	NA	1.E-02	2.E-03
Avian carnivores (AV322)	4.E-01	7.E-02	NA	NA	4.E-01	6.E-02
Bald eagle	3.E-04	6.E-05	NA	NA	4.E-04	6.E-05
Ferruginous hawk	1.E-03	2.E-04	NA	NA	1.E-03	2.E-04
Loggerhead shrike	5.E-01	9.E-02	NA	NA	6.E-01	8.E-02
Avian carnivores (AV322A)	8.E-02	1.E-02	NA	NA	7.E-02	1.E-02
Burrowing Owl	8.E-02	1.E-02	NA	NA	7.E-02	1.E-02
Avian omnivores (AV422)	8.E-01	6.E-01	NA	NA	2.E-01	1.E-01
Mammalian herbivores (M121)	2.E-03	7.E-03	4.E-03	3.E-04	2.E-05	5.E-02
Mammalian herbivores (M122)	6.E-01	2.E+00	5.E-01	1.E-02	5.E-03	7.E+00
Mammalian herbivores (M122A)	7.E-01	2.E+00	6.E-01	1.E-01	7.E-03	6.E+00
Pygmy rabbit	1.E-01	3.E-01	2.E-01	2.E-02	1.E-03	2.E+00
Mammalian herbivores (M123)	4.E-01	1.E+00	4.E-01	6.E-02	4.E-03	4.E+00
Mammalian insectivores (M210)	3.E-02	2.E+00	4.E-01	8.E-05	1.E-03	2.E+00
Mammalian insectivores (M210A)	1.E-01	1.E+01	2.E+00	2.E-02	6.E-03	1.E+01
Townsend's western big-eared bat	5.E-02	9.E+00	2.E+00	7.E-03	4.E-03	8.E+00
Small-footed myotis	7.E-02	1.E+01	2.E+00	1.E-02	5.E-03	1.E+01
Long-eared myotis	1.E-01	1.E+01	2.E+00	2.E-02	5.E-03	1.E+01
Mammalian insectivores (M222)	2.E-01	1.E+01	3.E+00	3.E-02	7.E-03	1.E+01
Mammalian carnivore (M322)	1.E-02	8.E-02	1.E-02	4.E-03	1.E-03	6.E-02
Mammalian omnivores (M422)	1.E-01	6.E+00	1.E+00	7.E-02	1.E-02	9.E+00
Mammalian omnivores (M422A)	5.E-03	3.E-01	4.E-02	3.E-03	3.E-04	3.E-01
Reptilian insectivores (R222)	NA	NA	NA	NA	NA	NA
Sagebrush lizard	NA	NA	NA	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA	NA	NA	NA
Plants	3.E-02	1.E+00	9.E-01	NA	8.E+01	3.E-01
Maximum hazard quotient	9.E-01	1.E+01	3.E+00	1.E-01	8.E+01	1.E+01

Lead	Manganese	Mercury	Nickel	Selenium	Silver
1.80E+01	0.00E+00	5.10E-01	3.80E+01	1.40E+00	2.41E+01
8.80E+00	0.00E+00	3.40E-01	1.60E+01	0.00E+00	5.10E+00
1.80E+01	0.00E+00	5.10E-01	3.80E+01	1.40E+00	2.41E+01
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Lead	Manganese	Mercury	Nickel	Selenium	Silver
1.42E-01	0.00E+00	4.05E-03	2.98E-01	1.07E-02	1.86E-01
2.15E-02	0.00E+00	1.11E-02	5.85E-02	8.39E-04	2.32E-01
2.32E-01	0.00E+00	6.69E-02	5.31E-01	4.74E-03	1.38E+00
2.28E-01	0.00E+00	8.61E-03	1.56E+00	5.71E-02	9.87E-01
5.20E-02	0.00E+00	1.98E-03	2.70E-01	8.73E-03	1.61E-01
7.74E-01	0.00E+00	2.86E-02	5.09E+00	1.88E-01	3.23E+00
1.07E+00	0.00E+00	4.05E-02	7.27E+00	2.64E-01	4.58E+00
1.61E+00	0.00E+00	6.10E-02	1.01E+01	3.57E-01	6.29E+00
1.20E+00	0.00E+00	4.26E-02	6.96E+00	2.56E-01	4.41E+00
1.06E-02	0.00E+00	3.50E-04	5.34E-04	3.37E-05	9.38E-03
1.34E-03	0.00E+00	4.43E-05	6.75E-05	4.26E-06	1.19E-03
9.53E-03	0.00E+00	3.16E-04	4.81E-04	3.04E-05	8.45E-03
3.87E-01	0.00E+00	1.28E-02	1.96E-02	1.23E-03	3.44E-01
3.40E-04	0.00E+00	1.13E-05	1.72E-05	1.08E-06	3.02E-04
1.30E-03	0.00E+00	4.31E-05	6.56E-05	4.14E-06	1.15E-03
4.96E-01	0.00E+00	1.64E-02	2.50E-02	1.58E-03	4.40E-01
5.68E-02	0.00E+00	1.86E-03	7.02E-03	3.92E-04	5.19E-02
5.68E-02	0.00E+00	1.86E-03	7.02E-03	3.92E-04	5.19E-02
1.84E-01	0.00E+00	9.06E-03	6.12E-01	2.09E-02	4.31E-01
2.63E-03	0.00E+00	1.05E-03	6.82E-03	1.42E-04	2.26E-02
3.94E-01	0.00E+00	1.35E-01	9.43E-01	9.83E-03	2.80E+00
5.81E-01	0.00E+00	1.26E-01	1.37E+00	3.81E-02	2.93E+00
1.29E-01	0.00E+00	5.16E-02	3.36E-01	6.98E-03	1.11E+00
3.62E-01	0.00E+00	7.85E-02	8.53E-01	2.37E-02	1.82E+00
2.47E-01	0.00E+00	9.35E-03	1.70E+00	6.20E-02	1.07E+00
1.35E+00	0.00E+00	5.01E-02	9.06E+00	3.34E-01	5.75E+00
9.22E-01	0.00E+00	3.45E-02	6.34E+00	2.34E-01	4.02E+00
1.31E+00	0.00E+00	4.92E-02	9.03E+00	3.33E-01	5.73E+00
1.16E+00	0.00E+00	4.32E-02	7.81E+00	2.88E-01	4.95E+00
1.58E+00	0.00E+00	5.86E-02	1.05E+01	3.88E-01	6.68E+00
1.51E-01	0.00E+00	4.90E-03	4.17E-02	1.86E-03	1.43E-01
1.88E+00	0.00E+00	6.85E-02	6.18E+00	2.27E-01	4.07E+00
6.66E-02	0.00E+00	2.42E-03	2.19E-01	8.03E-03	1.44E-01
4.83E-02	0.00E+00	1.79E-03	3.22E-01	1.19E-02	2.04E-01
4.83E-02	0.00E+00	1.79E-03	3.22E-01	1.19E-02	2.04E-01
3.12E+00	0.00E+00	1.02E-01	5.71E-01	2.81E-02	2.89E+00
1.80E+01	0.00E+00	5.10E-01	3.80E+01	1.40E+00	2.41E+01

Lead	Manganese	Mercury	Nickel	Selenium	Silver
NA	NA	NA	NA	NA	NA
7.E-01	0.E+00	3.E+00	7.E-03	6.E-03	2.E-01
8.E+00	0.E+00	2.E+01	6.E-02	4.E-02	1.E+00
6.E+00	0.E+00	5.E-02	8.E-01	7.E-01	8.E-01
2.E+00	0.E+00	2.E-01	1.E-01	1.E-01	1.E-01
1.E+01	0.E+00	2.E-01	2.E+00	2.E+00	3.E+00
3.E+01	0.E+00	3.E-01	4.E+00	3.E+00	4.E+00
4.E+01	0.E+00	4.E-01	5.E+00	4.E+00	5.E+00
3.E+01	0.E+00	3.E-01	3.E+00	3.E+00	4.E+00
4.E-01	0.E+00	2.E-03	3.E-04	4.E-04	8.E-03
3.E-02	0.E+00	3.E-04	3.E-05	5.E-05	9.E-04
2.E-01	0.E+00	2.E-03	2.E-04	4.E-04	7.E-03
1.E+01	0.E+00	8.E-02	9.E-03	2.E-02	3.E-01
1.E-02	0.E+00	7.E-05	8.E-06	1.E-05	2.E-04
4.E-02	0.E+00	3.E-04	3.E-05	5.E-05	9.E-04
2.E+01	0.E+00	1.E-01	1.E-02	2.E-02	4.E-01
2.E+00	0.E+00	1.E-02	3.E-03	5.E-03	4.E-02
2.E+00	0.E+00	1.E-02	3.E-03	5.E-03	4.E-02
6.E+00	0.E+00	4.E-02	2.E-01	8.E-01	2.E-01
1.E-03	0.E+00	1.E-01	8.E-03	6.E-03	2.E-03
1.E-01	0.E+00	1.E+01	1.E+00	4.E-01	2.E-01
2.E-01	0.E+00	1.E+01	2.E+00	2.E+00	2.E-01
5.E-02	0.E+00	5.E+00	4.E-01	3.E-01	8.E-02
1.E-01	0.E+00	8.E+00	1.E+00	9.E-01	1.E-01
9.E-02	0.E+00	1.E+00	2.E+00	2.E+00	8.E-02
5.E-01	0.E+00	6.E+00	1.E+01	1.E+01	4.E-01
3.E-01	0.E+00	4.E+00	8.E+00	9.E+00	3.E-01
5.E-01	0.E+00	6.E+00	1.E+01	1.E+01	4.E-01
4.E-01	0.E+00	5.E+00	9.E+00	1.E+01	4.E-01
6.E-01	0.E+00	3.E+01	1.E+01	2.E+01	5.E-01
6.E-02	0.E+00	6.E-01	5.E-02	7.E-02	1.E-02
5.E-01	0.E+00	5.E+00	5.E+00	6.E+00	2.E-01
2.E-02	0.E+00	2.E-01	2.E-02	2.E-01	8.E-03
NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA
4.E-01	0.E+00	2.E+00	1.E+00	NA	1.E+01
4.E+01	0.E+00	3.E+01	1.E+01	2.E+01	1.E+01

Concentrations	Antimony	Aroclor-1254	Arsenic	Cadmium	Chromium III	Cobalt
Concentration in surface soil	9.50E+00	1.40E+00	1.16E+01	7.30E+00	1.02E+02	1.57E+01
Concentration in sub-surface soil	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Concentration used in ERA	9.50E+00	1.40E+00	1.16E+01	7.30E+00	1.02E+02	1.57E+01
Water concentration (mg/L)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Size of Site		**8.08E-02**				
Dose (mg/kg-d)						
Functional groups	Antimony	Aroclor-1254	Arsenic	Cadmium	Chromium III	Cobalt
Amphibians (A232)	4.74E-02	6.98E-03	5.79E-02	3.64E-02	5.09E-01	7.83E-02
Avian herbivores (AV121)	1.99E-04	1.86E-05	4.86E-04	4.20E-03	8.01E-04	1.64E-02
Avian herbivores (AV122)	1.12E-03	1.05E-04	2.75E-03	2.38E-02	4.53E-03	9.30E-02
Avian insectivores (AV210)	1.52E-02	9.85E-07	2.07E-02	1.43E-02	1.09E-02	2.80E-02
Black tern	2.33E-03	1.51E-07	3.16E-03	2.19E-03	1.67E-03	4.28E-03
Avian insectivores (AV210A)	5.02E-02	2.49E-04	6.79E-02	4.68E-02	5.26E-02	9.18E-02
Avian insectivores (AV221)	1.00E+00	6.49E-05	1.36E+00	9.43E-01	7.18E-01	1.84E+00
Avian insectivores (AV222)	4.64E-01	3.00E-05	6.30E-01	4.36E-01	3.32E-01	8.52E-01
Avian insectivores (AV222A)	3.12E-01	4.72E-03	4.19E-01	2.87E-01	5.43E-01	5.67E-01
Avian carnivores (AV310)	2.40E-06	2.33E-08	1.95E-05	5.83E-04	8.58E-04	6.60E-04
Northern goshawk	3.03E-07	2.94E-09	2.47E-06	7.37E-05	1.08E-04	8.34E-05
Peregrine falcon	2.16E-06	2.10E-08	1.76E-05	5.26E-04	7.73E-04	5.95E-04
Avian carnivores (AV322)	8.78E-05	8.52E-07	7.15E-04	2.14E-02	3.14E-02	2.42E-02
Bald eagle	7.72E-08	7.49E-10	6.28E-07	1.88E-05	2.76E-05	2.13E-05
Ferruginous hawk	2.95E-07	2.86E-09	2.40E-06	7.17E-05	1.05E-04	8.12E-05
Loggerhead shrike	1.12E-04	1.09E-06	9.15E-04	2.74E-02	4.02E-02	3.10E-02
Avian carnivores (AV322A)	7.66E-05	9.58E-06	1.80E-04	3.08E-03	5.14E-03	3.54E-03
Burrowing Owl	7.66E-05	9.58E-06	1.80E-04	3.08E-03	5.14E-03	3.54E-03
Avian omnivores (AV422)	5.58E-03	5.49E-06	7.63E-03	1.01E-02	1.34E-02	1.47E-02
Mammalian herbivores (M121)	3.74E-05	4.52E-06	6.83E-05	4.06E-04	2.78E-04	1.56E-03
Mammalian herbivores (M122)	1.88E-02	1.75E-03	4.58E-02	3.96E-01	7.55E-02	1.55E+00
Mammalian herbivores (M122A)	6.65E-02	9.10E-03	9.68E-02	3.13E-01	6.27E-01	1.15E+00
Pygmy rabbit	1.22E-02	1.47E-03	2.22E-02	1.32E-01	9.02E-02	5.08E-01
Mammalian herbivores (M123)	6.21E-02	8.50E-03	9.05E-02	2.92E-01	5.86E-01	1.07E+00
Mammalian insectivores (M210)	1.65E-02	1.07E-06	2.25E-02	1.55E-02	1.18E-02	3.04E-02
Mammalian insectivores (M210A)	8.93E-02	2.97E-04	1.21E-01	8.35E-02	8.37E-02	1.64E-01
Townsend's western big-eared bat	6.24E-02	1.06E-04	8.45E-02	5.85E-02	5.16E-02	1.14E-01
Small-footed myotis	8.88E-02	1.51E-04	1.20E-01	8.33E-02	7.35E-02	1.63E-01
Long-eared myotis	7.69E-02	2.56E-04	1.04E-01	7.20E-02	7.22E-02	1.41E-01
Mammalian insectivores (M222)	1.55E+00	6.17E-03	2.09E+00	1.45E+00	1.52E+00	2.84E+00
Mammalian carnivore (M322)	4.55E-04	6.29E-05	7.67E-04	7.76E-03	1.55E-02	9.12E-03
Mammalian omnivores (M422)	1.57E-01	2.70E-03	2.11E-01	2.47E-01	5.26E-01	3.16E-01
Mammalian omnivores (M422A)	2.17E-03	3.71E-05	2.91E-03	3.40E-03	7.24E-03	4.36E-03
Reptilian insectivores (R222)	5.01E-02	2.00E-04	6.78E-02	4.69E-02	4.92E-02	9.18E-02
Sagebrush lizard	5.01E-02	2.00E-04	6.78E-02	4.69E-02	4.92E-02	9.18E-02
Reptilian carnivores (R322)	6.23E-03	8.27E-04	1.22E-02	1.65E-01	2.97E-01	1.92E-01
Plants	9.50E+00	1.40E+00	1.16E+01	7.30E+00	1.02E+02	1.57E+01

Hazard Quotient (unitless)

Functional groups	Antimony	Aroclor-1254	Arsenic	Cadmium	Chromium III	Cobalt
Amphibians (A232)	NA	NA	NA	NA	NA	NA
Avian herbivores (AV121)	NA	5.E-04	8.E-04	2.E-01	6.E-04	8.E-02
Avian herbivores (AV122)	NA	3.E-03	4.E-03	1.E+00	3.E-03	4.E-01
Avian insectivores (AV210)	NA	2.E-05	3.E-02	1.E+00	8.E-03	1.E-01
Black tern	NA	4.E-06	2.E-03	2.E-01	1.E-03	2.E-02
Avian insectivores (AV210A)	NA	6.E-03	1.E-01	4.E+00	4.E-02	4.E-01
Avian insectivores (AV221)	NA	2.E-03	2.E+00	8.E+01	5.E-01	9.E+00
Avian insectivores (AV222)	NA	8.E-04	1.E+00	4.E+01	2.E-01	4.E+00
Avian insectivores (AV222A)	NA	1.E-01	7.E-01	2.E+01	4.E-01	3.E+00
Avian carnivores (AV310)	NA	9.E-06	5.E-05	5.E-02	6.E-04	3.E-03
Northern goshawk	NA	1.E-06	6.E-06	6.E-03	8.E-05	4.E-04
Peregrine falcon	NA	8.E-06	4.E-05	4.E-02	6.E-04	3.E-03
Avian carnivores (AV322)	NA	3.E-04	2.E-03	2.E+00	2.E-02	1.E-01
Bald eagle	NA	3.E-07	2.E-06	2.E-03	2.E-05	1.E-04
Ferruginous hawk	NA	1.E-06	6.E-06	6.E-03	8.E-05	4.E-04
Loggerhead shrike	NA	4.E-04	2.E-03	2.E+00	3.E-02	1.E-01
Avian carnivores (AV322A)	NA	4.E-03	4.E-04	3.E-01	4.E-03	2.E-02
Burrowing Owl	NA	4.E-03	4.E-04	3.E-01	4.E-03	2.E-02
Avian omnivores (AV422)	NA	1.E-03	2.E-02	4.E-02	7.E-03	5.E-02
Mammalian herbivores (M121)	9.E-05	1.E-04	3.E-04	5.E-01	1.E-06	1.E-02
Mammalian herbivores (M122)	4.E-02	4.E-02	2.E-01	5.E+02	3.E-04	1.E+01
Mammalian herbivores (M122A)	2.E-01	2.E-01	4.E-01	4.E+02	3.E-03	8.E+00
Pygmy rabbit	3.E-02	3.E-02	8.E-02	2.E+02	4.E-04	4.E+00
Mammalian herbivores (M123)	1.E-01	2.E-01	3.E-01	4.E+02	2.E-03	8.E+00
Mammalian insectivores (M210)	4.E-02	2.E-05	8.E-02	2.E+01	5.E-05	2.E-01
Mammalian insectivores (M210A)	2.E-01	6.E-03	4.E-01	1.E+02	3.E-04	1.E+00
Townsend's western big-eared bat	1.E-01	2.E-03	3.E-01	7.E+01	2.E-04	8.E-01
Small-footed myotis	2.E-01	3.E-03	4.E-01	1.E+02	3.E-04	1.E+00
Long-eared myotis	2.E-01	6.E-03	4.E-01	9.E+01	3.E-04	1.E+00
Mammalian insectivores (M222)	4.E+00	1.E-01	8.E+00	2.E+03	6.E-03	2.E+01
Mammalian carnivore (M322)	1.E-03	5.E-04	3.E-03	1.E+01	6.E-05	7.E-02
Mammalian omnivores (M422)	2.E-01	2.E-02	5.E-01	2.E+02	1.E-03	2.E+00
Mammalian omnivores (M422A)	3.E-03	2.E-04	9.E-03	3.E+00	2.E-05	1.E-03
Reptilian insectivores (R222)	NA	NA	NA	NA	NA	NA
Sagebrush lizard	NA	NA	NA	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA	NA	NA	NA
Plants	2.E+00	4.E-02	1.E+00	2.E+00	1.E+02	NA
Maximum hazard quotient	4.E+00	2.E-01	8.E+00	2.E+03	1.E+02	2.E+01

Copper	Lead	Manganese	Mercury	Nickel	Zinc
2.59E+02	3.30E+03	5.09E+02	9.00E-02	1.11E+02	1.15E+03
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.59E+02	3.30E+03	5.09E+02	9.00E-02	1.11E+02	1.15E+03
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Copper	Lead	Manganese	Mercury	Nickel	Zinc
1.29E+00	1.65E+01	2.54E+00	4.49E-04	5.54E-01	5.74E+00
1.08E-01	1.55E-01	5.22E+00	8.48E-05	6.97E-03	1.81E+00
6.13E-01	8.79E-01	2.95E+01	4.80E-04	3.94E-02	1.02E+01
4.62E-01	1.76E+00	9.07E-01	6.41E-05	1.98E-01	2.05E+00
7.06E-02	2.70E-01	1.39E-01	9.81E-06	3.02E-02	3.13E-01
1.52E+00	6.20E+00	2.98E+00	2.20E-04	6.49E-01	6.73E+00
3.04E+01	1.16E+02	5.97E+01	4.23E-03	1.30E+01	1.35E+02
1.41E+01	5.38E+01	2.76E+01	1.95E-03	6.03E+00	6.24E+01
9.35E+00	4.35E+01	1.84E+01	1.48E-03	4.01E+00	4.15E+01
2.18E-03	8.33E-02	5.35E-03	2.65E-06	2.80E-05	3.39E-02
2.75E-04	1.05E-02	6.76E-04	3.35E-07	3.54E-06	4.28E-03
1.96E-03	7.50E-02	4.82E-03	2.39E-06	2.52E-05	3.05E-02
7.98E-02	3.05E+00	1.96E-01	9.71E-05	1.03E-03	1.24E+00
7.01E-05	2.68E-03	1.72E-04	8.53E-08	9.02E-07	1.09E-03
2.68E-04	1.02E-02	6.58E-04	3.26E-07	3.44E-06	4.16E-03
1.02E-01	3.90E+00	2.51E-01	1.24E-04	1.31E-03	1.59E+00
1.31E-02	4.55E-01	3.12E-02	1.44E-05	8.95E-04	1.84E-01
1.31E-02	4.55E-01	3.12E-02	1.44E-05	8.95E-04	1.84E-01
1.97E-01	1.32E+00	1.77E+00	6.41E-05	7.36E-02	1.24E+00
1.06E-02	2.10E-02	4.87E-01	8.08E-06	8.70E-04	1.70E-01
1.02E+01	1.47E+01	4.92E+02	7.99E-03	6.57E-01	1.70E+02
8.47E+00	2.87E+01	3.40E+02	5.99E-03	1.08E+00	1.23E+02
3.45E+00	6.84E+00	1.58E+02	2.63E-03	2.83E-01	5.54E+01
7.91E+00	2.68E+01	3.18E+02	5.59E-03	1.01E+00	1.15E+02
5.01E-01	1.92E+00	9.85E-01	6.97E-05	2.15E-01	2.23E+00
2.70E+00	1.08E+01	5.30E+00	3.86E-04	1.16E+00	1.20E+01
1.89E+00	7.38E+00	3.71E+00	2.66E-04	8.09E-01	8.38E+00
2.69E+00	1.05E+01	5.28E+00	3.79E-04	1.15E+00	1.19E+01
2.33E+00	9.30E+00	4.57E+00	3.33E-04	9.97E-01	1.03E+01
4.68E+01	1.89E+02	9.19E+01	6.74E-03	2.00E+01	2.08E+02
3.93E-02	1.21E+00	9.10E-02	3.78E-05	5.32E-03	4.83E-01
4.90E+00	3.87E+01	1.93E+01	1.36E-03	2.03E+00	2.43E+01
6.76E-02	5.33E-01	2.66E-01	1.87E-05	2.79E-02	3.35E-01
1.51E+00	6.11E+00	2.98E+00	2.18E-04	6.49E-01	6.72E+00
1.51E+00	6.11E+00	2.98E+00	2.18E-04	6.49E-01	6.72E+00
7.54E-01	2.49E+01	1.78E+00	7.85E-04	7.28E-02	1.00E+01
2.59E+02	3.30E+03	5.09E+02	9.00E-02	1.11E+02	1.15E+03

Copper	Lead	Manganese	Mercury	Nickel	Zinc
NA	NA	NA	NA	NA	NA
3.E-02	5.E+00	7.E-02	2.E-02	8.E-04	1.E-01
2.E-01	3.E+01	4.E-01	1.E-01	5.E-03	8.E-01
1.E-01	4.E+01	1.E-02	4.E-04	1.E-01	1.E+00
2.E-02	9.E+00	2.E-03	1.E-03	1.E-02	2.E-01
4.E-01	8.E+01	4.E-02	1.E-03	3.E-01	3.E+00
8.E+00	3.E+03	9.E-01	3.E-02	6.E+00	7.E+01
4.E+00	1.E+03	4.E-01	1.E-02	3.E+00	3.E+01
2.E+00	1.E+03	3.E-01	9.E-03	2.E+00	2.E+01
6.E-04	3.E+00	8.E-05	2.E-05	1.E-05	2.E-02
7.E-05	3.E-01	1.E-05	2.E-06	2.E-06	2.E-03
5.E-04	2.E+00	7.E-05	1.E-05	1.E-05	2.E-02
2.E-02	1.E+02	3.E-03	6.E-04	5.E-04	6.E-01
2.E-05	9.E-02	2.E-06	5.E-07	4.E-07	5.E-04
7.E-05	3.E-01	9.E-06	2.E-06	2.E-06	2.E-03
3.E-02	1.E+02	4.E-03	8.E-04	6.E-04	8.E-01
3.E-03	2.E+01	4.E-04	9.E-05	4.E-04	9.E-02
3.E-03	2.E+01	4.E-04	9.E-05	4.E-04	9.E-02
3.E-02	4.E+01	2.E-02	3.E-04	2.E-02	4.E-01
2.E-02	8.E-03	2.E-02	9.E-04	1.E-03	4.E-02
2.E+01	5.E+00	2.E+01	9.E-01	8.E-01	4.E+01
1.E+01	1.E+01	1.E+01	6.E-01	1.E+00	3.E+01
5.E+00	3.E+00	5.E+00	3.E-01	3.E-01	1.E+01
1.E+01	1.E+01	1.E+01	6.E-01	1.E+00	3.E+01
8.E-01	7.E-01	3.E-02	8.E-03	3.E-01	5.E-01
4.E+00	4.E+00	2.E-01	5.E-02	1.E+00	3.E+00
3.E+00	3.E+00	1.E-01	3.E-02	1.E+00	2.E+00
4.E+00	4.E+00	2.E-01	5.E-02	1.E+00	3.E+00
4.E+00	3.E+00	2.E-01	4.E-02	1.E+00	2.E+00
7.E+01	7.E+01	3.E+00	4.E+00	2.E+01	5.E+01
2.E-02	4.E-01	3.E-03	5.E-03	6.E-03	1.E-02
8.E+00	1.E+01	4.E-01	1.E-01	2.E+00	4.E+00
1.E-01	2.E-01	6.E-03	1.E-03	2.E-03	5.E-02
NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA
3.E+00	7.E+01	1.E+00	3.E-01	4.E+00	2.E+01
7.E+01	3.E+03	2.E+01	4.E+00	2.E+01	7.E+01

Concentrations	Aroclor-1254	Benzo(a)pyrene	Benzo(g,h,i)perylene
Concentration in surface soil	2.10E-01	5.90E-02	1.50E-01
Concentration in sub-surface soil	2.10E-01	5.90E-02	1.50E-01
Concentration used in ERA	2.10E-01	5.90E-02	1.50E-01
Water concentration (mg/L)	0.00E+00	0.00E+00	0.00E+00
Size of Site	**1.34E-03**		
Dose (mg/kg-d)			
Functional groups	Aroclor-1254	Benzo(a)pyrene	Benzo(g,h,i)perylene
Amphibians (A232)	1.85E-05	5.19E-06	1.32E-05
Avian herbivores (AV121)	8.31E-08	2.28E-08	4.38E-08
Avian herbivores (AV122)	2.38E-06	6.65E-07	1.61E-06
Avian insectivores (AV210)	1.29E-07	3.63E-08	9.33E-08
Black tern	3.17E-07	8.90E-08	2.26E-07
Avian insectivores (AV210A)	6.19E-07	1.74E-07	4.46E-07
Avian insectivores (AV221)	1.28E-05	3.60E-06	9.22E-06
Avian insectivores (AV222)	1.95E-05	5.47E-06	1.39E-05
Avian insectivores (AV222A)	1.17E-05	3.30E-06	8.40E-06
Avian carnivores (AV310)	3.05E-09	8.57E-10	2.20E-09
Northern goshawk	3.85E-10	1.08E-10	2.78E-10
Peregrine falcon	2.75E-09	7.72E-10	1.99E-09
Avian carnivores (AV322)	1.12E-07	3.14E-08	8.07E-08
Bald eagle	9.81E-11	2.76E-11	7.09E-11
Ferruginous hawk	3.75E-10	1.05E-10	2.71E-10
Loggerhead shrike	1.43E-07	4.02E-08	1.03E-07
Avian carnivores (AV322A)	2.38E-08	6.70E-09	1.72E-08
Burrowing Owl	2.38E-08	6.70E-09	1.72E-08
Avian omnivores (AV422)	3.47E-07	9.75E-08	2.44E-07
Mammalian herbivores (M121)	1.12E-08	3.11E-09	6.57E-09
Mammalian herbivores (M122)	2.75E-05	7.67E-06	1.82E-05
Mammalian herbivores (M122A)	2.26E-05	6.33E-06	1.52E-05
Pygmy rabbit	3.66E-06	1.01E-06	2.14E-06
Mammalian herbivores (M123)	2.12E-05	5.91E-06	1.42E-05
Mammalian insectivores (M210)	1.40E-07	3.94E-08	1.01E-07
Mammalian insectivores (M210A)	7.40E-07	2.08E-07	5.35E-07
Townsend's western big-eared bat	2.64E-07	7.42E-08	1.93E-07
Small-footed myotis	3.76E-07	1.06E-07	2.75E-07
Long-eared myotis	6.37E-07	1.79E-07	4.61E-07
Mammalian insectivores (M222)	1.53E-05	4.31E-06	1.11E-05
Mammalian carnivore (M322)	1.56E-07	4.40E-08	1.12E-07
Mammalian omnivores (M422)	6.72E-06	1.89E-06	4.78E-06
Mammalian omnivores (M422A)	9.24E-08	2.59E-08	6.57E-08
Reptilian insectivores (R222)	4.97E-07	1.40E-07	3.58E-07
Sagebrush lizard	4.97E-07	1.40E-07	3.58E-07
Reptilian carnivores (R322)	2.06E-06	5.78E-07	1.48E-06
Plants	2.10E-01	5.90E-02	1.50E-01

Hazard Quotient (unitless)

Functional groups	Aroclor-1254	Benzo(a)pyrene	Benzo(g,h,i)perylene
Amphibians (A232)	NA	NA	NA
Avian herbivores (AV121)	2.E-06	NA	NA
Avian herbivores (AV122)	6.E-05	NA	NA
Avian insectivores (AV210)	3.E-06	NA	NA
Black tern	8.E-06	NA	NA
Avian insectivores (AV210A)	2.E-05	NA	NA
Avian insectivores (AV221)	3.E-04	NA	NA
Avian insectivores (AV222)	5.E-04	NA	NA
Avian insectivores (AV222A)	3.E-04	NA	NA
Avian carnivores (AV310)	1.E-06	NA	NA
Northern goshawk	2.E-07	NA	NA
Peregrine falcon	1.E-06	NA	NA
Avian carnivores (AV322)	4.E-05	NA	NA
Bald eagle	4.E-08	NA	NA
Ferruginous hawk	1.E-07	NA	NA
Loggerhead shrike	6.E-05	NA	NA
Avian carnivores (AV322A)	1.E-05	NA	NA
Burrowing Owl	1.E-05	NA	NA
Avian omnivores (AV422)	9.E-05	NA	NA
Mammalian herbivores (M121)	2.E-07	3.E-07	3.E-07
Mammalian herbivores (M122)	6.E-04	8.E-04	9.E-04
Mammalian herbivores (M122A)	5.E-04	6.E-04	8.E-04
Pygmy rabbit	8.E-05	1.E-04	1.E-04
Mammalian herbivores (M123)	5.E-04	6.E-04	7.E-04
Mammalian insectivores (M210)	3.E-06	4.E-06	5.E-06
Mammalian insectivores (M210A)	2.E-05	2.E-05	3.E-05
Townsend's western big-eared bat	6.E-06	7.E-06	1.E-05
Small-footed myotis	8.E-06	1.E-05	1.E-05
Long-eared myotis	1.E-05	2.E-05	2.E-05
Mammalian insectivores (M222)	3.E-04	4.E-04	6.E-04
Mammalian carnivore (M322)	1.E-06	4.E-06	6.E-06
Mammalian omnivores (M422)	4.E-05	2.E-04	2.E-04
Mammalian omnivores (M422A)	6.E-07	3.E-06	2.E-06
Reptilian insectivores (R222)	NA	NA	NA
Sagebrush lizard	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA
Plants	5.E-03	NA	NA
Maximum hazard quotient	5.E-03	8.E-04	9.E-04

Concentrations	Antimony	Aroclor-1254	Arsenic	Benzo(a)anthracene	Benzo(b)fluoranthene
Concentration in surface soil	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Concentration in sub-surface soil	1.15E+01	1.00E+01	1.09E+01	9.00E+00	4.20E+00
Concentration used in ERA	1.15E+01	1.00E+01	1.09E+01	9.00E+00	4.20E+00
Water concentration (mg/L)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Size of Site		**2.50E-03**			
Dose (mg/kg-d)					
Functional groups	Antimony	Aroclor-1254	Arsenic	Benzo(a)anthracene	Benzo(b)fluoranthene
Amphibians (A232)	1.89E-03	1.64E-03	1.79E-03	1.48E-03	6.89E-04
Avian herbivores (AV121)	1.12E-05	7.39E-06	1.77E-05	9.49E-06	3.03E-06
Avian herbivores (AV122)	2.58E-04	2.11E-04	2.85E-04	2.06E-04	8.83E-05
Avian insectivores (AV210)	5.84E-04	1.15E-05	6.13E-04	5.06E-04	4.82E-06
Black tern	1.20E-04	2.81E-05	1.23E-04	1.01E-04	1.18E-05
Avian insectivores (AV210A)	1.88E-03	5.50E-05	1.97E-03	1.63E-03	2.31E-05
Avian insectivores (AV221)	3.89E-02	1.14E-03	4.08E-02	3.37E-02	4.78E-04
Avian insectivores (AV222)	1.94E-02	1.73E-03	2.02E-02	1.67E-02	7.26E-04
Avian insectivores (AV222A)	1.17E-02	1.04E-03	1.22E-02	1.01E-02	4.38E-04
Avian carnivores (AV310)	3.95E-07	2.71E-07	8.57E-07	1.20E-05	1.14E-07
Northern goshawk	4.99E-08	3.42E-08	1.08E-07	1.51E-06	1.44E-08
Peregrine falcon	3.56E-07	2.44E-07	7.72E-07	1.08E-05	1.03E-07
Avian carnivores (AV322)	1.45E-05	9.92E-06	3.14E-05	4.38E-04	4.17E-06
Bald eagle	1.27E-08	8.71E-09	2.76E-08	3.85E-07	3.66E-09
Ferruginous hawk	4.86E-08	3.33E-08	1.05E-07	1.47E-06	1.40E-08
Loggerhead shrike	1.85E-05	1.27E-05	4.02E-05	5.60E-04	5.33E-06
Avian carnivores (AV322A)	2.87E-06	2.12E-06	5.22E-06	6.27E-05	8.89E-07
Burrowing Owl	2.87E-06	2.12E-06	5.22E-06	6.27E-05	8.89E-07
Avian omnivores (AV422)	2.43E-04	3.09E-05	2.54E-04	2.08E-04	1.29E-05
Mammalian herbivores (M121)	1.40E-06	9.99E-07	1.99E-06	1.16E-06	4.13E-07
Mammalian herbivores (M122)	3.06E-03	2.44E-03	3.57E-03	2.46E-03	1.02E-03
Mammalian herbivores (M122A)	2.49E-03	2.01E-03	2.82E-03	1.99E-03	8.40E-04
Pygmy rabbit	4.56E-04	3.25E-04	6.46E-04	3.78E-04	1.34E-04
Mammalian herbivores (M123)	2.33E-03	1.88E-03	2.63E-03	1.86E-03	7.85E-04
Mammalian insectivores (M210)	6.34E-04	1.25E-05	6.66E-04	5.50E-04	5.24E-06
Mammalian insectivores (M210A)	3.34E-03	6.57E-05	3.51E-03	2.90E-03	2.76E-05
Townsend's western big-eared bat	2.34E-03	2.34E-05	2.46E-03	2.03E-03	9.85E-06
Small-footed myotis	3.33E-03	3.34E-05	3.50E-03	2.89E-03	1.40E-05
Long-eared myotis	2.88E-03	5.66E-05	3.03E-03	2.50E-03	2.38E-05
Mammalian insectivores (M222)	5.80E-02	1.36E-03	6.09E-02	5.03E-02	5.73E-04
Mammalian carnivore (M322)	1.71E-05	1.39E-05	2.23E-05	1.62E-04	5.84E-06
Mammalian omnivores (M422)	5.89E-03	5.97E-04	6.14E-03	5.06E-03	2.51E-04
Mammalian omnivores (M422A)	8.11E-05	8.21E-06	8.46E-05	6.97E-05	3.45E-06
Reptilian insectivores (R222)	1.88E-03	4.41E-05	1.97E-03	1.63E-03	1.85E-05
Sagebrush lizard	1.88E-03	4.41E-05	1.97E-03	1.63E-03	1.85E-05
Reptilian carnivores (R322)	2.33E-04	1.83E-04	3.54E-04	3.40E-03	7.68E-05
Plants	1.15E+01	1.00E+01	1.09E+01	9.00E+00	4.20E+00

Hazard Quotient (unitless)

Functional groups	Antimony	Aroclor-1254	Arsenic	Benzo(a)anthracene	Benzo(b)fluoranthene
Amphibians (A232)	NA	NA	NA	NA	NA
Avian herbivores (AV121)	NA	2.E-04	3.E-05	NA	NA
Avian herbivores (AV122)	NA	5.E-03	4.E-04	NA	NA
Avian insectivores (AV210)	NA	3.E-04	1.E-03	NA	NA
Black tern	NA	7.E-04	9.E-05	NA	NA
Avian insectivores (AV210A)	NA	1.E-03	3.E-03	NA	NA
Avian insectivores (AV221)	NA	3.E-02	7.E-02	NA	NA
Avian insectivores (AV222)	NA	4.E-02	3.E-02	NA	NA
Avian insectivores (AV222A)	NA	3.E-02	2.E-02	NA	NA
Avian carnivores (AV310)	NA	1.E-04	2.E-06	NA	NA
Northern goshawk	NA	1.E-05	3.E-07	NA	NA
Peregrine falcon	NA	1.E-04	2.E-06	NA	NA
Avian carnivores (AV322)	NA	4.E-03	8.E-05	NA	NA
Bald eagle	NA	3.E-06	7.E-08	NA	NA
Ferruginous hawk	NA	1.E-05	3.E-07	NA	NA
Loggerhead shrike	NA	5.E-03	1.E-04	NA	NA
Avian carnivores (AV322A)	NA	8.E-04	1.E-05	NA	NA
Burrowing Owl	NA	8.E-04	1.E-05	NA	NA
Avian omnivores (AV422)	NA	8.E-03	6.E-04	NA	NA
Mammalian herbivores (M121)	3.E-06	2.E-05	7.E-06	1.E-06	2.E-05
Mammalian herbivores (M122)	7.E-03	5.E-02	1.E-02	3.E-03	5.E-02
Mammalian herbivores (M122A)	6.E-03	4.E-02	1.E-02	2.E-03	4.E-02
Pygmy rabbit	1.E-03	7.E-03	2.E-03	4.E-04	7.E-03
Mammalian herbivores (M123)	6.E-03	4.E-02	1.E-02	2.E-03	4.E-02
Mammalian insectivores (M210)	2.E-03	3.E-04	2.E-03	6.E-04	3.E-04
Mammalian insectivores (M210A)	8.E-03	1.E-03	1.E-02	3.E-03	1.E-03
Townsend's western big-eared bat	6.E-03	5.E-04	9.E-03	2.E-03	5.E-04
Small-footed myotis	8.E-03	7.E-04	1.E-02	3.E-03	7.E-04
Long-eared myotis	7.E-03	1.E-03	1.E-02	3.E-03	1.E-03
Mammalian insectivores (M222)	1.E-01	3.E-02	2.E-01	5.E-02	3.E-02
Mammalian carnivore (M322)	4.E-05	1.E-04	8.E-05	2.E-04	3.E-04
Mammalian omnivores (M422)	9.E-03	4.E-03	2.E-02	4.E-03	8.E-03
Mammalian omnivores (M422A)	1.E-04	5.E-05	3.E-04	5.E-05	1.E-04
Reptilian insectivores (R222)	NA	NA	NA	NA	NA
Sagebrush lizard	NA	NA	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA	NA	NA
Plants	2.E+00	3.E-01	1.E+00	NA	NA
Maximum hazard quotient	2.E+00	3.E-01	1.E+00	5.E-02	5.E-02

Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Cadmium	Chromium III	Chrysene	Copper
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.10E+00	3.20E+00	7.37E+00	1.79E+02	7.90E+00	1.90E+03
5.10E+00	3.20E+00	7.37E+00	1.79E+02	7.90E+00	1.90E+03
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Cadmium	Chromium III	Chrysene	Copper
8.37E-04	5.25E-04	1.21E-03	2.94E-02	1.30E-03	3.12E-01
2.78E-06	2.31E-06	1.34E-04	1.02E-04	8.22E-06	2.52E-02
1.02E-04	6.73E-05	8.81E-04	3.61E-03	1.80E-04	1.75E-01
5.92E-06	3.67E-06	4.55E-04	7.94E-04	9.00E-06	1.07E-01
1.44E-05	9.00E-06	8.91E-05	5.94E-04	2.22E-05	2.14E-02
2.83E-05	1.76E-05	1.46E-03	2.86E-03	4.32E-05	3.44E-01
5.85E-04	3.64E-04	3.03E-02	5.91E-02	8.95E-04	7.11E+00
8.84E-04	5.53E-04	1.49E-02	4.89E-02	1.36E-03	3.52E+00
5.33E-04	3.34E-04	8.98E-03	2.95E-02	8.22E-04	2.12E+00
1.40E-07	8.67E-08	1.84E-05	5.13E-05	2.12E-07	5.45E-04
1.77E-08	1.10E-08	2.33E-06	6.49E-06	2.68E-08	6.88E-05
1.26E-07	7.81E-08	1.66E-05	4.63E-05	1.91E-07	4.91E-04
5.12E-06	3.18E-06	6.75E-04	1.88E-03	7.78E-06	2.00E-02
4.50E-09	2.79E-09	5.93E-07	1.65E-06	6.84E-09	1.75E-05
1.72E-08	1.07E-08	2.26E-06	6.31E-06	2.61E-08	6.70E-05
6.55E-06	4.06E-06	8.64E-04	2.41E-03	9.96E-06	2.56E-02
1.09E-06	6.78E-07	9.62E-05	2.79E-04	1.66E-06	2.97E-03
1.09E-06	6.78E-07	9.62E-05	2.79E-04	1.66E-06	2.97E-03
1.55E-05	9.86E-06	3.38E-04	1.26E-03	2.50E-05	5.04E-02
4.17E-07	3.15E-07	1.27E-05	1.51E-05	1.01E-06	2.41E-03
1.15E-03	7.76E-04	1.39E-02	4.09E-02	2.15E-03	2.71E+00
9.62E-04	6.40E-04	9.77E-03	3.41E-02	1.74E-03	1.92E+00
1.36E-04	1.02E-04	4.12E-03	4.90E-03	3.29E-04	7.84E-01
8.99E-04	5.98E-04	9.13E-03	3.18E-02	1.63E-03	1.80E+00
6.43E-06	3.99E-06	4.94E-04	8.62E-04	9.77E-06	1.16E-01
3.39E-05	2.10E-05	2.61E-03	4.55E-03	5.15E-05	6.12E-01
1.22E-05	7.51E-06	1.83E-03	2.80E-03	1.83E-05	4.28E-01
1.74E-05	1.07E-05	2.60E-03	3.99E-03	2.60E-05	6.10E-01
2.92E-05	1.81E-05	2.25E-03	3.92E-03	4.44E-05	5.28E-01
7.02E-04	4.36E-04	4.52E-02	8.26E-02	1.07E-03	1.06E+01
7.11E-06	4.45E-06	2.42E-04	8.41E-04	1.10E-05	8.93E-03
3.03E-04	1.91E-04	7.72E-03	2.86E-02	4.76E-04	1.11E+00
4.17E-06	2.62E-06	1.06E-04	3.93E-04	6.54E-06	1.53E-02
2.27E-05	1.41E-05	1.46E-03	2.67E-03	3.47E-05	3.44E-01
2.27E-05	1.41E-05	1.46E-03	2.67E-03	3.47E-05	3.44E-01
9.37E-05	5.85E-05	5.17E-03	1.61E-02	1.44E-04	1.71E-01
5.10E+00	3.20E+00	7.37E+00	1.79E+02	7.90E+00	1.90E+03

Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Cadmium	Chromium III	Chrysene	Copper
NA	NA	NA	NA	NA	NA
NA	NA	7.E-03	8.E-05	NA	6.E-03
NA	NA	5.E-02	3.E-03	NA	4.E-02
NA	NA	4.E-02	6.E-04	NA	3.E-02
NA	NA	7.E-03	4.E-04	NA	5.E-03
NA	NA	1.E-01	2.E-03	NA	9.E-02
NA	NA	3.E+00	4.E-02	NA	2.E+00
NA	NA	1.E+00	4.E-02	NA	9.E-01
NA	NA	7.E-01	2.E-02	NA	5.E-01
NA	NA	2.E-03	4.E-05	NA	1.E-04
NA	NA	2.E-04	5.E-06	NA	2.E-05
NA	NA	1.E-03	3.E-05	NA	1.E-04
NA	NA	6.E-02	1.E-03	NA	5.E-03
NA	NA	5.E-05	1.E-06	NA	4.E-06
NA	NA	2.E-04	5.E-06	NA	2.E-05
NA	NA	7.E-02	2.E-03	NA	7.E-03
NA	NA	8.E-03	2.E-04	NA	8.E-04
NA	NA	8.E-03	2.E-04	NA	8.E-04
NA	NA	1.E-03	6.E-04	NA	9.E-03
2.E-05	2.E-05	2.E-02	6.E-08	1.E-05	4.E-03
6.E-02	4.E-02	2.E+01	2.E-04	3.E-02	4.E+00
5.E-02	3.E-02	1.E+01	1.E-04	2.E-02	3.E+00
7.E-03	5.E-03	5.E+00	2.E-05	5.E-03	1.E+00
4.E-02	3.E-02	1.E+01	1.E-04	2.E-02	3.E+00
3.E-04	2.E-04	6.E-01	3.E-06	1.E-04	2.E-01
2.E-03	1.E-03	3.E+00	2.E-05	7.E-04	9.E-01
6.E-04	4.E-04	2.E+00	1.E-05	3.E-04	7.E-01
9.E-04	5.E-04	3.E+00	2.E-05	4.E-04	9.E-01
1.E-03	9.E-04	3.E+00	2.E-05	6.E-04	8.E-01
4.E-02	2.E-02	6.E+01	3.E-04	2.E-02	2.E+01
4.E-04	2.E-04	3.E-01	3.E-06	2.E-04	5.E-03
1.E-02	6.E-03	8.E+00	8.E-05	5.E-03	2.E+00
1.E-04	9.E-05	1.E-01	1.E-06	7.E-05	2.E-02
NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA
NA	NA	2.E+00	2.E+02	NA	2.E+01
6.E-02	4.E-02	6.E+01	2.E+02	3.E-02	2.E+01

Indeno(1,2,3-cd)pyrene	Lead	Mercury	Nickel	Pyrene	Selenium	Silver	Zinc
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.60E+00	7.25E+02	1.97E+00	8.51E+01	2.40E+01	5.43E-01	1.94E+01	3.02E+02
4.60E+00	7.25E+02	1.97E+00	8.51E+01	2.40E+01	5.43E-01	1.94E+01	3.02E+02
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Indeno(1,2,3-cd)pyrene	Lead	Mercury	Nickel	Pyrene	Selenium	Silver	Zinc
7.55E-04	1.19E-01	3.23E-04	1.40E-02	3.94E-03	8.91E-05	3.18E-03	4.95E-02
2.52E-06	1.29E-03	5.81E-05	1.93E-04	5.33E-05	6.17E-07	2.58E-04	1.48E-02
9.21E-05	1.96E-02	3.62E-04	2.53E-03	7.08E-04	1.27E-05	1.79E-03	8.87E-02
5.34E-06	1.28E-02	4.57E-05	4.79E-03	2.72E-05	3.05E-05	1.09E-03	1.70E-02
1.30E-05	3.87E-03	1.22E-05	9.57E-04	6.75E-05	6.10E-06	2.18E-04	3.39E-03
2.55E-05	4.21E-02	1.49E-04	1.54E-02	1.31E-04	9.83E-05	3.51E-03	5.47E-02
5.28E-04	8.71E-01	3.08E-03	3.19E-01	2.71E-03	2.03E-03	7.26E-02	1.13E+00
7.97E-04	4.90E-01	1.66E-03	1.58E-01	4.14E-03	1.01E-03	3.59E-02	5.59E-01
4.81E-04	2.96E-01	1.00E-03	9.50E-02	2.50E-03	6.06E-04	2.17E-02	3.37E-01
1.26E-07	5.85E-04	1.85E-06	2.92E-06	6.41E-07	3.21E-08	1.06E-05	2.83E-04
1.59E-08	7.39E-05	2.33E-07	3.69E-07	8.10E-08	4.05E-09	1.34E-06	3.58E-05
1.14E-07	5.27E-04	1.66E-06	2.64E-06	5.78E-07	2.89E-08	9.56E-06	2.55E-04
4.62E-06	2.14E-02	6.76E-05	1.07E-04	2.35E-05	1.18E-06	3.89E-04	1.04E-02
4.06E-09	1.88E-05	5.95E-08	9.41E-08	2.06E-08	1.03E-09	3.42E-07	9.11E-06
1.55E-08	7.20E-05	2.27E-07	3.59E-07	7.88E-08	3.94E-09	1.30E-06	3.48E-05
5.91E-06	2.74E-02	8.66E-05	1.37E-04	3.01E-05	1.50E-06	4.98E-04	1.33E-02
9.82E-07	3.09E-03	9.73E-06	2.12E-05	5.04E-06	2.05E-07	5.65E-05	1.49E-03
9.82E-07	3.09E-03	9.73E-06	2.12E-05	5.04E-06	2.05E-07	5.65E-05	1.49E-03
1.40E-05	1.11E-02	4.92E-05	2.00E-03	8.38E-05	1.26E-05	5.15E-04	1.10E-02
3.78E-07	1.43E-04	5.47E-06	2.06E-05	5.71E-06	7.44E-08	2.46E-05	1.38E-03
1.04E-03	2.48E-01	5.82E-03	3.31E-02	9.22E-03	1.53E-04	2.77E-02	1.45E+00
8.69E-04	1.95E-01	4.05E-03	2.55E-02	7.13E-03	1.23E-04	1.96E-02	1.00E+00
1.23E-04	4.65E-02	1.78E-03	6.71E-03	1.86E-03	2.42E-05	8.00E-03	4.50E-01
8.12E-04	1.82E-01	3.79E-03	2.39E-02	6.66E-03	1.15E-04	1.83E-02	9.35E-01
5.80E-06	1.39E-02	4.96E-05	5.20E-03	2.95E-05	3.32E-05	1.19E-03	1.85E-02
3.06E-05	7.34E-02	2.62E-04	2.74E-02	1.56E-04	1.75E-04	6.25E-03	9.73E-02
1.10E-05	5.02E-02	1.80E-04	1.92E-02	5.47E-05	1.22E-04	4.37E-03	6.81E-02
1.57E-05	7.15E-02	2.57E-04	2.73E-02	7.80E-05	1.74E-04	6.23E-03	9.70E-02
2.64E-05	6.32E-02	2.25E-04	2.36E-02	1.34E-04	1.51E-04	5.39E-03	8.39E-02
6.33E-04	1.28E+00	4.56E-03	4.76E-01	3.23E-03	3.03E-03	1.08E-01	1.69E+00
6.41E-06	8.22E-03	2.56E-05	1.26E-04	3.33E-05	9.76E-07	1.56E-04	3.92E-03
2.74E-04	2.63E-01	9.19E-04	4.81E-02	1.50E-03	3.05E-04	1.14E-02	1.98E-01
3.76E-06	3.62E-03	1.27E-05	6.62E-04	2.06E-05	4.21E-06	1.57E-04	2.72E-03
2.05E-05	4.16E-02	1.48E-04	1.54E-02	1.05E-04	9.82E-05	3.51E-03	5.46E-02
2.05E-05	4.16E-02	1.48E-04	1.54E-02	1.05E-04	9.82E-05	3.51E-03	5.46E-02
8.45E-05	1.70E-01	5.32E-04	1.73E-03	4.36E-04	1.47E-05	3.14E-03	8.15E-02
4.60E+00	7.25E+02	1.97E+00	8.51E+01	2.40E+01	5.43E-01	1.94E+01	3.02E+02

Indeno(1,2,3-cd)pyrene	Lead	Mercury	Nickel	Pyrene	Selenium	Silver	Zinc
NA	NA	NA	NA	NA	NA	NA	NA
NA	4.E-02	1.E-02	2.E-05	NA	5.E-06	2.E-04	1.E-03
NA	7.E-01	9.E-02	3.E-04	NA	1.E-04	1.E-03	7.E-03
NA	3.E-01	3.E-04	2.E-03	NA	4.E-04	9.E-04	8.E-03
NA	1.E-01	2.E-03	5.E-04	NA	7.E-05	2.E-04	2.E-03
NA	5.E-01	9.E-04	7.E-03	NA	1.E-03	3.E-03	3.E-02
NA	2.E+01	2.E-02	2.E-01	NA	2.E-02	6.E-02	6.E-01
NA	1.E+01	1.E-02	8.E-02	NA	1.E-02	3.E-02	3.E-01
NA	7.E+00	6.E-03	5.E-02	NA	7.E-03	2.E-02	2.E-01
NA	2.E-02	1.E-05	1.E-06	NA	4.E-07	8.E-06	1.E-04
NA	2.E-03	1.E-06	2.E-07	NA	5.E-08	1.E-06	2.E-05
NA	1.E-02	1.E-05	1.E-06	NA	4.E-07	8.E-06	1.E-04
NA	7.E-01	4.E-04	5.E-05	NA	2.E-05	3.E-04	5.E-03
NA	6.E-04	4.E-07	5.E-08	NA	1.E-08	3.E-07	5.E-06
NA	2.E-03	1.E-06	2.E-07	NA	5.E-08	1.E-06	2.E-05
NA	9.E-01	5.E-04	7.E-05	NA	2.E-05	4.E-04	7.E-03
NA	1.E-01	6.E-05	1.E-05	NA	3.E-06	5.E-05	7.E-04
NA	1.E-01	6.E-05	1.E-05	NA	3.E-06	5.E-05	7.E-04
NA	4.E-01	2.E-04	6.E-04	NA	5.E-04	2.E-04	4.E-03
2.E-05	5.E-05	6.E-04	2.E-05	9.E-07	3.E-06	2.E-06	3.E-04
5.E-02	9.E-02	6.E-01	4.E-02	1.E-03	6.E-03	2.E-03	3.E-01
4.E-02	7.E-02	4.E-01	3.E-02	1.E-03	5.E-03	1.E-03	2.E-01
6.E-03	2.E-02	2.E-01	8.E-03	3.E-04	1.E-03	6.E-04	1.E-01
4.E-02	7.E-02	4.E-01	3.E-02	1.E-03	5.E-03	1.E-03	2.E-01
3.E-04	5.E-03	6.E-03	6.E-03	5.E-06	1.E-03	9.E-05	4.E-03
2.E-03	3.E-02	3.E-02	3.E-02	2.E-05	7.E-03	5.E-04	2.E-02
6.E-04	2.E-02	2.E-02	2.E-02	9.E-06	5.E-03	3.E-04	2.E-02
8.E-04	3.E-02	3.E-02	3.E-02	1.E-05	7.E-03	5.E-04	2.E-02
1.E-03	2.E-02	3.E-02	3.E-02	2.E-05	6.E-03	4.E-04	2.E-02
3.E-02	5.E-01	3.E+00	6.E-01	5.E-04	1.E-01	8.E-03	4.E-01
3.E-04	3.E-03	3.E-03	2.E-04	5.E-06	4.E-05	1.E-05	1.E-04
9.E-03	7.E-02	7.E-02	4.E-02	2.E-04	8.E-03	7.E-04	3.E-02
1.E-04	1.E-03	1.E-03	5.E-05	2.E-06	1.E-04	9.E-06	4.E-04
NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA
NA	1.E+01	7.E+00	3.E+00	NA	NA	1.E+01	6.E+00
5.E-02	2.E+01	7.E+00	3.E+00	1.E-03	1.E-01	1.E+01	6.E+00

Concentrations	Copper	Lead	Mercury
Concentration in surface soil	0.00E+00	0.00E+00	0.00E+00
Concentration in sub-surface soil	2.11E+01	1.57E+01	4.20E-01
Maximum concentration	2.11E+01	1.57E+01	4.20E-01
Water concentration (mg/L)	0.00E+00	0.00E+00	0.00E+00
Size of Site	**3.00E-05**		
Dose (mg/kg-d)			
Functional groups	Copper	Lead	Mercury
Amphibians (A232)	4.15E-05	3.09E-05	8.27E-07
Avian herbivores (AV121)	3.36E-06	3.36E-07	1.49E-07
Avian herbivores (AV122)	2.33E-05	5.09E-06	9.26E-07
Avian insectivores (AV210)	1.42E-05	3.33E-06	1.17E-07
Black tern	2.85E-06	1.01E-06	3.12E-08
Avian insectivores (AV210A)	4.58E-05	1.09E-05	3.81E-07
Avian insectivores (AV221)	9.48E-04	2.26E-04	7.89E-06
Avian insectivores (AV222)	4.69E-04	1.27E-04	4.25E-06
Avian insectivores (AV222A)	2.83E-04	7.68E-05	2.57E-06
Avian carnivores (AV310)	7.26E-08	1.52E-07	4.72E-09
Northern goshawk	9.17E-09	1.92E-08	5.97E-10
Peregrine falcon	6.54E-08	1.37E-07	4.26E-09
Avian carnivores (AV322)	2.66E-06	5.57E-06	1.73E-07
Bald eagle	2.34E-09	4.90E-09	1.52E-10
Ferruginous hawk	8.93E-09	1.87E-08	5.81E-10
Loggerhead shrike	3.41E-06	7.13E-06	2.22E-07
Avian carnivores (AV322A)	3.95E-07	8.03E-07	2.49E-08
Burrowing Owl	3.95E-07	8.03E-07	2.49E-08
Avian omnivores (AV422)	6.72E-06	2.89E-06	1.26E-07
Mammalian herbivores (M121)	3.21E-07	3.72E-08	1.40E-08
Mammalian herbivores (M122)	3.61E-04	6.46E-05	1.49E-05
Mammalian herbivores (M122A)	2.56E-04	5.06E-05	1.04E-05
Pygmy rabbit	1.04E-04	1.21E-05	4.55E-06
Mammalian herbivores (M123)	2.39E-04	4.73E-05	9.69E-06
Mammalian insectivores (M210)	1.55E-05	3.61E-06	1.27E-07
Mammalian insectivores (M210A)	8.16E-05	1.91E-05	6.69E-07
Townsend's western big-eared bat	5.71E-05	1.30E-05	4.61E-07
Small-footed myotis	8.13E-05	1.86E-05	6.57E-07
Long-eared myotis	7.03E-05	1.64E-05	5.77E-07
Mammalian insectivores (M222)	1.41E-03	3.34E-04	1.17E-05
Mammalian carnivore (M322)	1.19E-06	2.14E-06	6.55E-08
Mammalian omnivores (M422)	1.48E-04	6.84E-05	2.35E-06
Mammalian omnivores (M422A)	2.04E-06	9.41E-07	3.24E-08
Reptilian insectivores (R222)	4.58E-05	1.08E-05	3.78E-07
Sagebrush lizard	4.58E-05	1.08E-05	3.78E-07
Reptilian carnivores (R322)	2.28E-05	4.41E-05	1.36E-06
Plants	2.11E+01	1.57E+01	4.20E-01

Hazard Quotient (unitless)

Functional groups	Copper	Lead	Mercury
Amphibians (A232)	NA	NA	NA
Avian herbivores (AV121)	9.E-07	1.E-05	4.E-05
Avian herbivores (AV122)	6.E-06	2.E-04	2.E-04
Avian insectivores (AV210)	4.E-06	8.E-05	7.E-07
Black tern	7.E-07	3.E-05	4.E-06
Avian insectivores (AV210A)	1.E-05	1.E-04	2.E-06
Avian insectivores (AV221)	2.E-04	6.E-03	5.E-05
Avian insectivores (AV222)	1.E-04	3.E-03	3.E-05
Avian insectivores (AV222A)	7.E-05	2.E-03	2.E-05
Avian carnivores (AV310)	2.E-08	5.E-06	3.E-08
Northern goshawk	2.E-09	5.E-07	4.E-09
Peregrine falcon	2.E-08	3.E-06	3.E-08
Avian carnivores (AV322)	7.E-07	2.E-04	1.E-06
Bald eagle	6.E-10	2.E-07	1.E-09
Ferruginous hawk	2.E-09	6.E-07	4.E-09
Loggerhead shrike	9.E-07	2.E-04	1.E-06
Avian carnivores (AV322A)	1.E-07	3.E-05	2.E-07
Burrowing Owl	1.E-07	3.E-05	2.E-07
Avian omnivores (AV422)	1.E-06	1.E-04	5.E-07
Mammalian herbivores (M121)	5.E-07	1.E-08	1.E-06
Mammalian herbivores (M122)	6.E-04	2.E-05	2.E-03
Mammalian herbivores (M122A)	4.E-04	2.E-05	1.E-03
Pygmy rabbit	2.E-04	4.E-06	5.E-04
Mammalian herbivores (M123)	4.E-04	2.E-05	1.E-03
Mammalian insectivores (M210)	2.E-05	1.E-06	2.E-05
Mammalian insectivores (M210A)	1.E-04	7.E-06	8.E-05
Townsend's western big-eared bat	9.E-05	5.E-06	6.E-05
Small-footed myotis	1.E-04	7.E-06	8.E-05
Long-eared myotis	1.E-04	6.E-06	7.E-05
Mammalian insectivores (M222)	2.E-03	1.E-04	7.E-03
Mammalian carnivore (M322)	6.E-07	8.E-07	8.E-06
Mammalian omnivores (M422)	2.E-04	2.E-05	2.E-04
Mammalian omnivores (M422A)	3.E-06	3.E-07	3.E-06
Reptilian insectivores (R222)	NA	NA	NA
Sagebrush lizard	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA
Plants	2.E-01	3.E-01	1.E+00
Maximum hazard quotient	2.E-01	3.E-01	1.E+00

Concentrations	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Xylene
Concentration in surface soil	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Concentration in sub-surface soil	1.37E-01	2.00E-01	1.60E-01	6.90E+00
Concentration used in ERA	1.37E-01	2.00E-01	1.60E-01	6.90E+00
Water concentration (mg/L)	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Size of Site	**1.96E-01**			
Dose (mg/kg-d)				
Functional groups	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Xylene
Amphibians (A232)	1.11E-03	1.62E-03	1.30E-03	5.59E-02
Avian herbivores (AV121)	7.76E-06	1.13E-05	6.83E-06	9.01E-03
Avian herbivores (AV122)	2.26E-04	3.30E-04	2.51E-04	6.01E-02
Avian insectivores (AV210)	1.23E-05	1.80E-05	1.46E-05	6.09E-04
Black tern	3.02E-05	4.41E-05	3.53E-05	1.52E-03
Avian insectivores (AV210A)	5.91E-05	8.63E-05	6.95E-05	2.94E-03
Avian insectivores (AV221)	8.11E-04	1.18E-03	9.54E-04	4.03E-02
Avian insectivores (AV222)	1.86E-03	2.71E-03	2.17E-03	9.32E-02
Avian insectivores (AV222A)	1.12E-03	1.63E-03	1.31E-03	5.62E-02
Avian carnivores (AV310)	2.91E-07	4.25E-07	3.44E-07	1.44E-05
Northern goshawk	3.68E-08	5.37E-08	4.34E-08	1.82E-06
Peregrine falcon	2.62E-07	3.83E-07	3.10E-07	1.30E-05
Avian carnivores (AV322)	1.07E-05	1.56E-05	1.26E-05	5.27E-04
Bald eagle	9.37E-09	1.37E-08	1.11E-08	4.63E-07
Ferruginous hawk	3.58E-08	5.22E-08	4.23E-08	1.77E-06
Loggerhead shrike	1.36E-05	1.99E-05	1.61E-05	6.74E-04
Avian carnivores (AV322A)	2.27E-06	3.32E-06	2.68E-06	1.13E-04
Burrowing Owl	2.27E-06	3.32E-06	2.68E-06	1.13E-04
Avian omnivores (AV422)	3.31E-05	4.83E-05	3.81E-05	4.04E-03
Mammalian herbivores (M121)	1.06E-06	1.54E-06	1.03E-06	8.56E-04
Mammalian herbivores (M122)	2.61E-03	3.80E-03	2.83E-03	9.44E-01
Mammalian herbivores (M122A)	2.15E-03	3.14E-03	2.37E-03	6.65E-01
Pygmy rabbit	3.44E-04	5.02E-04	3.34E-04	2.78E-01
Mammalian herbivores (M123)	2.01E-03	2.93E-03	2.21E-03	6.21E-01
Mammalian insectivores (M210)	1.34E-05	1.95E-05	1.58E-05	6.62E-04
Mammalian insectivores (M210A)	7.06E-05	1.03E-04	8.34E-05	3.49E-03
Townsend's western big-eared bat	2.52E-05	3.68E-05	3.01E-05	1.22E-03
Small-footed myotis	3.59E-05	5.24E-05	4.29E-05	1.74E-03
Long-eared myotis	6.09E-05	8.89E-05	7.19E-05	3.01E-03
Mammalian insectivores (M222)	9.27E-04	1.35E-03	1.09E-03	4.59E-02
Mammalian carnivore (M322)	1.49E-05	2.18E-05	1.75E-05	7.49E-04
Mammalian omnivores (M422)	6.41E-04	9.36E-04	7.46E-04	4.88E-02
Mammalian omnivores (M422A)	8.81E-06	1.29E-05	1.03E-05	6.71E-04
Reptilian insectivores (R222)	2.83E-05	4.13E-05	3.34E-05	1.40E-03
Sagebrush lizard	2.83E-05	4.13E-05	3.34E-05	1.40E-03
Reptilian carnivores (R322)	1.96E-04	2.87E-04	2.30E-04	9.81E-03
Plants	1.37E-01	2.00E-01	1.60E-01	6.90E+00

Hazard Quotient (unitless)

Functional groups	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Xylene
Amphibians (A232)	NA	NA	NA	NA
Avian herbivores (AV121)	NA	NA	NA	NA
Avian herbivores (AV122)	NA	NA	NA	NA
Avian insectivores (AV210)	NA	NA	NA	NA
Black tern	NA	NA	NA	NA
Avian insectivores (AV210A)	NA	NA	NA	NA
Avian insectivores (AV221)	NA	NA	NA	NA
Avian insectivores (AV222)	NA	NA	NA	NA
Avian insectivores (AV222A)	NA	NA	NA	NA
Avian carnivores (AV310)	NA	NA	NA	NA
Northern goshawk	NA	NA	NA	NA
Peregrine falcon	NA	NA	NA	NA
Avian carnivores (AV322)	NA	NA	NA	NA
Bald eagle	NA	NA	NA	NA
Ferruginous hawk	NA	NA	NA	NA
Loggerhead shrike	NA	NA	NA	NA
Avian carnivores (AV322A)	NA	NA	NA	NA
Burrowing Owl	NA	NA	NA	NA
Avian omnivores (AV422)	NA	NA	NA	NA
Mammalian herbivores (M121)	1.E-04	8.E-05	5.E-05	1.E-02
Mammalian herbivores (M122)	3.E-01	2.E-01	1.E-01	1.E+01
Mammalian herbivores (M122A)	2.E-01	2.E-01	1.E-01	8.E+00
Pygmy rabbit	3.E-02	3.E-02	2.E-02	3.E+00
Mammalian herbivores (M123)	2.E-01	1.E-01	1.E-01	7.E+00
Mammalian insectivores (M210)	1.E-03	1.E-03	8.E-04	8.E-03
Mammalian insectivores (M210A)	7.E-03	5.E-03	4.E-03	4.E-02
Townsend's western big-eared bat	3.E-03	2.E-03	2.E-03	1.E-02
Small-footed myotis	4.E-03	3.E-03	2.E-03	2.E-02
Long-eared myotis	6.E-03	4.E-03	4.E-03	4.E-02
Mammalian insectivores (M222)	9.E-02	7.E-02	5.E-02	5.E-01
Mammalian carnivore (M322)	1.E-03	1.E-03	9.E-04	9.E-03
Mammalian omnivores (M422)	6.E-02	3.E-02	2.E-02	4.E-01
Mammalian omnivores (M422A)	9.E-04	4.E-04	3.E-04	5.E-03
Reptilian insectivores (R222)	NA	NA	NA	NA
Sagebrush lizard	NA	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA	NA
Plants	NA	NA	NA	NA
Maximum hazard quotient	3.E-01	2.E-01	1.E-01	1.E+01

Concentrations	TPH
Concentration in surface soil	0.00E+00
Concentration in sub-surface soil	5.40E+04
Maximum concentration	5.40E+04
Water concentration (mg/L)	0.00E+00
Size of Site	**7.00E-04**
Dose (mg/kg-d)	
Functional groups	TPH
Amphibians (A232)	2.48E+00
Avian herbivores (AV121)	4.95E-01
Avian herbivores (AV122)	3.05E+00
Avian insectivores (AV210)	8.51E-01
Black tern	1.70E-01
Avian insectivores (AV210A)	2.74E+00
Avian insectivores (AV221)	5.66E+01
Avian insectivores (AV222)	2.80E+01
Avian insectivores (AV222A)	1.69E+01
Avian carnivores (AV310)	2.01E-02
Northern goshawk	2.54E-03
Peregrine falcon	1.81E-02
Avian carnivores (AV322)	7.35E-01
Bald eagle	6.46E-04
Ferruginous hawk	2.47E-03
Loggerhead shrike	9.41E-01
Avian carnivores (AV322A)	1.05E-01
Burrowing Owl	1.05E-01
Avian omnivores (AV422)	4.82E-01
Mammalian herbivores (M121)	4.65E-02
Mammalian herbivores (M122)	4.93E+01
Mammalian herbivores (M122A)	3.43E+01
Pygmy rabbit	1.51E+01
Mammalian herbivores (M123)	3.20E+01
Mammalian insectivores (M210)	9.24E-01
Mammalian insectivores (M210A)	4.87E+00
Townsend's western big-eared bat	3.41E+00
Small-footed myotis	4.86E+00
Long-eared myotis	4.20E+00
Mammalian insectivores (M222)	8.45E+01
Mammalian carnivore (M322)	2.72E-01
Mammalian omnivores (M422)	9.43E+00
Mammalian omnivores (M422A)	1.30E-01
Reptilian insectivores (R222)	2.74E+00
Sagebrush lizard	2.74E+00
Reptilian carnivores (R322)	5.71E+00
Plants	5.40E+04

Hazard Quotient (unitless)

Functional groups	TPH
Amphibians (A232)	NA
Avian herbivores (AV121)	2.E-02
Avian herbivores (AV122)	1.E-01
Avian insectivores (AV210)	5.E-02
Black tern	1.E-02
Avian insectivores (AV210A)	2.E-01
Avian insectivores (AV221)	3.E+00
Avian insectivores (AV222)	2.E+00
Avian insectivores (AV222A)	1.E+00
Avian carnivores (AV310)	1.E-03
Northern goshawk	2.E-04
Peregrine falcon	1.E-03
Avian carnivores (AV322)	5.E-02
Bald eagle	4.E-05
Ferruginous hawk	2.E-04
Loggerhead shrike	6.E-02
Avian carnivores (AV322A)	7.E-03
Burrowing Owl	7.E-03
Avian omnivores (AV422)	3.E-02
Mammalian herbivores (M121)	1.E-03
Mammalian herbivores (M122)	2.E+00
Mammalian herbivores (M122A)	1.E+00
Pygmy rabbit	5.E-01
Mammalian herbivores (M123)	1.E+00
Mammalian insectivores (M210)	3.E-02
Mammalian insectivores (M210A)	2.E-01
Townsend's western big-eared bat	1.E-01
Small-footed myotis	2.E-01
Long-eared myotis	1.E-01
Mammalian insectivores (M222)	3.E+00
Mammalian carnivore (M322)	3.E-03
Mammalian omnivores (M422)	3.E-01
Mammalian omnivores (M422A)	4.E-03
Reptilian insectivores (R222)	NA
Sagebrush lizard	NA
Reptilian carnivores (R322)	NA
Plants	NA
Maximum hazard quotient	3.E+00

Concentrations	TPH
Concentration in surface soil	0.00E+00
Concentration in sub-surface soil	1.00E+02
Maximum concentration	1.00E+02
Water concentration (mg/L)	0.00E+00
Size of Site	**1.11E-03**
Dose (mg/kg-d)	
Functional groups	TPH
Amphibians (A232)	7.28E-03
Avian herbivores (AV121)	1.45E-03
Avian herbivores (AV122)	8.97E-03
Avian insectivores (AV210)	2.50E-03
Black tern	4.99E-04
Avian insectivores (AV210A)	8.04E-03
Avian insectivores (AV221)	1.66E-01
Avian insectivores (AV222)	8.22E-02
Avian insectivores (AV222A)	4.96E-02
Avian carnivores (AV310)	5.90E-05
Northern goshawk	7.45E-06
Peregrine falcon	5.31E-05
Avian carnivores (AV322)	2.16E-03
Bald eagle	1.90E-06
Ferruginous hawk	7.25E-06
Loggerhead shrike	2.76E-03
Avian carnivores (AV322A)	3.09E-04
Burrowing Owl	3.09E-04
Avian omnivores (AV422)	1.42E-03
Mammalian herbivores (M121)	1.37E-04
Mammalian herbivores (M122)	1.45E-01
Mammalian herbivores (M122A)	1.01E-01
Pygmy rabbit	4.44E-02
Mammalian herbivores (M123)	9.41E-02
Mammalian insectivores (M210)	2.71E-03
Mammalian insectivores (M210A)	1.43E-02
Townsend's western big-eared bat	1.00E-02
Small-footed myotis	1.43E-02
Long-eared myotis	1.23E-02
Mammalian insectivores (M222)	2.48E-01
Mammalian carnivore (M322)	7.98E-04
Mammalian omnivores (M422)	2.77E-02
Mammalian omnivores (M422A)	3.81E-04
Reptilian insectivores (R222)	8.03E-03
Sagebrush lizard	8.03E-03
Reptilian carnivores (R322)	1.68E-02
Plants	1.00E+02

Hazard Quotient (unitless)

Functional groups	TPH
Amphibians (A232)	NA
Avian herbivores (AV121)	6.E-05
Avian herbivores (AV122)	4.E-04
Avian insectivores (AV210)	2.E-04
Black tern	3.E-05
Avian insectivores (AV210A)	5.E-04
Avian insectivores (AV221)	1.E-02
Avian insectivores (AV222)	5.E-03
Avian insectivores (AV222A)	3.E-03
Avian carnivores (AV310)	4.E-06
Northern goshawk	5.E-07
Peregrine falcon	3.E-06
Avian carnivores (AV322)	1.E-04
Bald eagle	1.E-07
Ferruginous hawk	4.E-07
Loggerhead shrike	2.E-04
Avian carnivores (AV322A)	2.E-05
Burrowing Owl	2.E-05
Avian omnivores (AV422)	9.E-05
Mammalian herbivores (M121)	4.E-06
Mammalian herbivores (M122)	5.E-03
Mammalian herbivores (M122A)	3.E-03
Pygmy rabbit	1.E-03
Mammalian herbivores (M123)	3.E-03
Mammalian insectivores (M210)	9.E-05
Mammalian insectivores (M210A)	5.E-04
Townsend's western big-eared bat	3.E-04
Small-footed myotis	5.E-04
Long-eared myotis	4.E-04
Mammalian insectivores (M222)	8.E-03
Mammalian carnivore (M322)	8.E-06
Mammalian omnivores (M422)	9.E-04
Mammalian omnivores (M422A)	1.E-05
Reptilian insectivores (R222)	NA
Sagebrush lizard	NA
Reptilian carnivores (R322)	NA
Plants	NA
Maximum hazard quotient	1.E-02

Concentrations	TPH
Concentration in surface soil	0.00E+00
Concentration in sub-surface soil	2.60E+03
Maximum concentration	2.60E+03
Water concentration (mg/L)	0.00E+00
Size of Site	**2.04E-03**
Dose (mg/kg-d)	
Functional groups	TPH
Amphibians (A232)	3.48E-01
Avian herbivores (AV121)	6.94E-02
Avian herbivores (AV122)	4.29E-01
Avian insectivores (AV210)	1.19E-01
Black tern	2.38E-02
Avian insectivores (AV210A)	3.84E-01
Avian insectivores (AV221)	7.94E+00
Avian insectivores (AV222)	3.93E+00
Avian insectivores (AV222A)	2.37E+00
Avian carnivores (AV310)	2.82E-03
Northern goshawk	3.56E-04
Peregrine falcon	2.54E-03
Avian carnivores (AV322)	1.03E-01
Bald eagle	9.07E-05
Ferruginous hawk	3.46E-04
Loggerhead shrike	1.32E-01
Avian carnivores (AV322A)	1.48E-02
Burrowing Owl	1.48E-02
Avian omnivores (AV422)	6.76E-02
Mammalian herbivores (M121)	6.53E-03
Mammalian herbivores (M122)	6.91E+00
Mammalian herbivores (M122A)	4.81E+00
Pygmy rabbit	2.12E+00
Mammalian herbivores (M123)	4.49E+00
Mammalian insectivores (M210)	1.30E-01
Mammalian insectivores (M210A)	6.84E-01
Townsend's western big-eared bat	4.78E-01
Small-footed myotis	6.81E-01
Long-eared myotis	5.89E-01
Mammalian insectivores (M222)	1.19E+01
Mammalian carnivore (M322)	3.81E-02
Mammalian omnivores (M422)	1.32E+00
Mammalian omnivores (M422A)	1.82E-02
Reptilian insectivores (R222)	3.84E-01
Sagebrush lizard	3.84E-01
Reptilian carnivores (R322)	8.01E-01
Plants	2.60E+03

Hazard Quotient (unitless)

Functional groups	TPH
Amphibians (A232)	NA
Avian herbivores (AV121)	3.E-03
Avian herbivores (AV122)	2.E-02
Avian insectivores (AV210)	7.E-03
Black tern	1.E-03
Avian insectivores (AV210A)	2.E-02
Avian insectivores (AV221)	5.E-01
Avian insectivores (AV222)	2.E-01
Avian insectivores (AV222A)	1.E-01
Avian carnivores (AV310)	2.E-04
Northern goshawk	2.E-05
Peregrine falcon	2.E-04
Avian carnivores (AV322)	6.E-03
Bald eagle	6.E-06
Ferruginous hawk	2.E-05
Loggerhead shrike	8.E-03
Avian carnivores (AV322A)	9.E-04
Burrowing Owl	9.E-04
Avian omnivores (AV422)	4.E-03
Mammalian herbivores (M121)	2.E-04
Mammalian herbivores (M122)	2.E-01
Mammalian herbivores (M122A)	2.E-01
Pygmy rabbit	7.E-02
Mammalian herbivores (M123)	1.E-01
Mammalian insectivores (M210)	4.E-03
Mammalian insectivores (M210A)	2.E-02
Townsend's western big-eared bat	2.E-02
Small-footed myotis	2.E-02
Long-eared myotis	2.E-02
Mammalian insectivores (M222)	4.E-01
Mammalian carnivore (M322)	4.E-04
Mammalian omnivores (M422)	4.E-02
Mammalian omnivores (M422A)	6.E-04
Reptilian insectivores (R222)	NA
Sagebrush lizard	NA
Reptilian carnivores (R322)	NA
Plants	NA
Maximun hazard quotient	5.E-01

Concentrations	TPH
Concentration in surface soil	0.00E+00
Concentration in sub-surface soil	3.47E+03
Maximum concentration	3.47E+03
Water concentration (mg/L)	0.00E+00
Size of Site	**1.12E-02**
Dose (mg/kg-d)	

Functional groups	TPH
Amphibians (A232)	2.55E+00
Avian herbivores (AV121)	5.09E-01
Avian herbivores (AV122)	3.14E+00
Avian insectivores (AV210)	8.75E-01
Black tern	1.75E-01
Avian insectivores (AV210A)	2.81E+00
Avian insectivores (AV221)	5.82E+01
Avian insectivores (AV222)	2.88E+01
Avian insectivores (AV222A)	1.74E+01
Avian carnivores (AV310)	2.06E-02
Northern goshawk	2.61E-03
Peregrine falcon	1.86E-02
Avian carnivores (AV322)	7.56E-01
Bald eagle	6.64E-04
Ferruginous hawk	2.54E-03
Loggerhead shrike	9.68E-01
Avian carnivores (AV322A)	1.08E-01
Burrowing Owl	1.08E-01
Avian omnivores (AV422)	4.96E-01
Mammalian herbivores (M121)	4.78E-02
Mammalian herbivores (M122)	5.07E+01
Mammalian herbivores (M122A)	3.52E+01
Pygmy rabbit	1.56E+01
Mammalian herbivores (M123)	3.29E+01
Mammalian insectivores (M210)	9.50E-01
Mammalian insectivores (M210A)	5.01E+00
Townsend's western big-eared bat	3.50E+00
Small-footed myotis	4.99E+00
Long-eared myotis	4.32E+00
Mammalian insectivores (M222)	8.69E+01
Mammalian carnivore (M322)	2.79E-01
Mammalian omnivores (M422)	9.69E+00
Mammalian omnivores (M422A)	1.33E-01
Reptilian insectivores (R222)	2.81E+00
Sagebrush lizard	2.81E+00
Reptilian carnivores (R322)	5.87E+00
Plants	3.47E+03

Hazard Quotient (unitless)

Functional groups	TPH
Amphibians (A232)	NA
Avian herbivores (AV121)	2.E-02
Avian herbivores (AV122)	1.E-01
Avian insectivores (AV210)	5.E-02
Black tern	1.E-02
Avian insectivores (AV210A)	2.E-01
Avian insectivores (AV221)	4.E+00
Avian insectivores (AV222)	2.E+00
Avian insectivores (AV222A)	1.E+00
Avian carnivores (AV310)	1.E-03
Northern goshawk	2.E-04
Peregrine falcon	1.E-03
Avian carnivores (AV322)	5.E-02
Bald eagle	4.E-05
Ferruginous hawk	2.E-04
Loggerhead shrike	6.E-02
Avian carnivores (AV322A)	7.E-03
Burrowing Owl	7.E-03
Avian omnivores (AV422)	3.E-02
Mammalian herbivores (M121)	2.E-03
Mammalian herbivores (M122)	2.E+00
Mammalian herbivores (M122A)	1.E+00
Pygmy rabbit	5.E-01
Mammalian herbivores (M123)	1.E+00
Mammalian insectivores (M210)	3.E-02
Mammalian insectivores (M210A)	2.E-01
Townsend's western big-eared bat	1.E-01
Small-footed myotis	2.E-01
Long-eared myotis	1.E-01
Mammalian insectivores (M222)	3.E+00
Mammalian carnivore (M322)	3.E-03
Mammalian omnivores (M422)	3.E-01
Mammalian omnivores (M422A)	4.E-03
Reptilian insectivores (R222)	NA
Sagebrush lizard	NA
Reptilian carnivores (R322)	NA
Plants	NA
Maximum hazard quotient	4.E+00

Concentrations	TPH
Concentration in surface soil	0.00E+00
Concentration in sub-surface soil	1.10E+03
Maximum concentration	1.10E+03
Water concentration (mg/L)	0.00E+00
Size of Site	**9.28E-04**
Dose (mg/kg-d)	
Functional groups	TPH
Amphibians (A232)	6.70E-02
Avian herbivores (AV121)	1.34E-02
Avian herbivores (AV122)	8.25E-02
Avian insectivores (AV210)	2.30E-02
Black tern	4.59E-03
Avian insectivores (AV210A)	7.39E-02
Avian insectivores (AV221)	1.53E+00
Avian insectivores (AV222)	7.56E-01
Avian insectivores (AV222A)	4.56E-01
Avian carnivores (AV310)	5.42E-04
Northern goshawk	6.85E-05
Peregrine falcon	4.89E-04
Avian carnivores (AV322)	1.99E-02
Bald eagle	1.75E-05
Ferruginous hawk	6.66E-05
Loggerhead shrike	2.54E-02
Avian carnivores (AV322A)	2.84E-03
Burrowing Owl	2.84E-03
Avian omnivores (AV422)	1.30E-02
Mammalian herbivores (M121)	1.26E-03
Mammalian herbivores (M122)	1.33E+00
Mammalian herbivores (M122A)	9.26E-01
Pygmy rabbit	4.09E-01
Mammalian herbivores (M123)	8.65E-01
Mammalian insectivores (M210)	2.50E-02
Mammalian insectivores (M210A)	1.32E-01
Townsend's western big-eared bat	9.21E-02
Small-footed myotis	1.31E-01
Long-eared myotis	1.13E-01
Mammalian insectivores (M222)	2.28E+00
Mammalian carnivore (M322)	7.34E-03
Mammalian omnivores (M422)	2.55E-01
Mammalian omnivores (M422A)	3.51E-03
Reptilian insectivores (R222)	7.39E-02
Sagebrush lizard	7.39E-02
Reptilian carnivores (R322)	1.54E-01
Plants	1.10E+03

Hazard Quotient (unitless)

Functional groups	TPH
Amphibians (A232)	NA
Avian herbivores (AV121)	5.E-04
Avian herbivores (AV122)	3.E-03
Avian insectivores (AV210)	1.E-03
Black tern	3.E-04
Avian insectivores (AV210A)	5.E-03
Avian insectivores (AV221)	9.E-02
Avian insectivores (AV222)	5.E-02
Avian insectivores (AV222A)	3.E-02
Avian carnivores (AV310)	3.E-05
Northern goshawk	4.E-06
Peregrine falcon	3.E-05
Avian carnivores (AV322)	1.E-03
Bald eagle	1.E-06
Ferruginous hawk	4.E-06
Loggerhead shrike	2.E-03
Avian carnivores (AV322A)	2.E-04
Burrowing Owl	2.E-04
Avian omnivores (AV422)	8.E-04
Mammalian herbivores (M121)	4.E-05
Mammalian herbivores (M122)	4.E-02
Mammalian herbivores (M122A)	3.E-02
Pygmy rabbit	1.E-02
Mammalian herbivores (M123)	3.E-02
Mammalian insectivores (M210)	8.E-04
Mammalian insectivores (M210A)	4.E-03
Townsend's western big-eared bat	3.E-03
Small-footed myotis	4.E-03
Long-eared myotis	4.E-03
Mammalian insectivores (M222)	7.E-02
Mammalian carnivore (M322)	7.E-05
Mammalian omnivores (M422)	8.E-03
Mammalian omnivores (M422A)	1.E-04
Reptilian insectivores (R222)	NA
Sagebrush lizard	NA
Reptilian carnivores (R322)	NA
Plants	NA
Maximum hazard quotient	9.E-02

Concentrations	TPH
Concentration in surface soil	0.00E+00
Concentration in sub-surface soil	5.74E+01
Maximum concentration	5.74E+01
Water concentration (mg/L)	0.00E+00
Size of Site	**8.00E-03**
Dose (mg/kg-d)	

Functional groups	TPH
Amphibians (A232)	3.01E-02
Avian herbivores (AV121)	6.01E-03
Avian herbivores (AV122)	3.71E-02
Avian insectivores (AV210)	1.03E-02
Black tern	2.06E-03
Avian insectivores (AV210A)	3.32E-02
Avian insectivores (AV221)	6.88E-01
Avian insectivores (AV222)	3.40E-01
Avian insectivores (AV222A)	2.05E-01
Avian carnivores (AV310)	2.44E-04
Northern goshawk	3.08E-05
Peregrine falcon	2.20E-04
Avian carnivores (AV322)	8.93E-03
Bald eagle	7.85E-06
Ferruginous hawk	3.00E-05
Loggerhead shrike	1.14E-02
Avian carnivores (AV322A)	1.28E-03
Burrowing Owl	1.28E-03
Avian omnivores (AV422)	5.86E-03
Mammalian herbivores (M121)	5.65E-04
Mammalian herbivores (M122)	5.99E-01
Mammalian herbivores (M122A)	4.16E-01
Pygmy rabbit	1.84E-01
Mammalian herbivores (M123)	3.89E-01
Mammalian insectivores (M210)	1.12E-02
Mammalian insectivores (M210A)	5.92E-02
Townsend's western big-eared bat	4.14E-02
Small-footed myotis	5.90E-02
Long-eared myotis	5.10E-02
Mammalian insectivores (M222)	1.03E+00
Mammalian carnivore (M322)	3.30E-03
Mammalian omnivores (M422)	1.15E-01
Mammalian omnivores (M422A)	1.58E-03
Reptilian insectivores (R222)	3.32E-02
Sagebrush lizard	3.32E-02
Reptilian carnivores (R322)	6.94E-02
Plants	5.74E+01

Hazard Quotient (unitless)

Functional groups	TPH
Amphibians (A232)	NA
Avian herbivores (AV121)	2.E-04
Avian herbivores (AV122)	1.E-03
Avian insectivores (AV210)	6.E-04
Black tern	1.E-04
Avian insectivores (AV210A)	2.E-03
Avian insectivores (AV221)	4.E-02
Avian insectivores (AV222)	2.E-02
Avian insectivores (AV222A)	1.E-02
Avian carnivores (AV310)	2.E-05
Northern goshawk	2.E-06
Peregrine falcon	1.E-05
Avian carnivores (AV322)	6.E-04
Bald eagle	5.E-07
Ferruginous hawk	2.E-06
Loggerhead shrike	7.E-04
Avian carnivores (AV322A)	8.E-05
Burrowing Owl	8.E-05
Avian omnivores (AV422)	4.E-04
Mammalian herbivores (M121)	2.E-05
Mammalian herbivores (M122)	2.E-02
Mammalian herbivores (M122A)	1.E-02
Pygmy rabbit	6.E-03
Mammalian herbivores (M123)	1.E-02
Mammalian insectivores (M210)	4.E-04
Mammalian insectivores (M210A)	2.E-03
Townsend's western big-eared bat	1.E-03
Small-footed myotis	2.E-03
Long-eared myotis	2.E-03
Mammalian insectivores (M222)	3.E-02
Mammalian carnivore (M322)	3.E-05
Mammalian omnivores (M422)	4.E-03
Mammalian omnivores (M422A)	5.E-05
Reptilian insectivores (R222)	NA
Sagebrush lizard	NA
Reptilian carnivores (R322)	NA
Plants	NA
Maximum hazard quotient	4.E-02

Concentrations	TPH
Concentration in surface soil	0.00E+00
Concentration in sub-surface soil	7.60E+01
Maximum concentration	7.60E+01
Water concentration (mg/L)	0.00E+00
Size of Site	**2.08E-03**
Dose (mg/kg-d)	
Functional groups	TPH
Amphibians (A232)	1.04E-02
Avian herbivores (AV121)	2.07E-03
Avian herbivores (AV122)	1.28E-02
Avian insectivores (AV210)	3.56E-03
Black tern	7.11E-04
Avian insectivores (AV210A)	1.14E-02
Avian insectivores (AV221)	2.37E-01
Avian insectivores (AV222)	1.17E-01
Avian insectivores (AV222A)	7.06E-02
Avian carnivores (AV310)	8.40E-05
Northern goshawk	1.06E-05
Peregrine falcon	7.57E-05
Avian carnivores (AV322)	3.08E-03
Bald eagle	2.70E-06
Ferruginous hawk	1.03E-05
Loggerhead shrike	3.94E-03
Avian carnivores (AV322A)	4.41E-04
Burrowing Owl	4.41E-04
Avian omnivores (AV422)	2.02E-03
Mammalian herbivores (M121)	1.95E-04
Mammalian herbivores (M122)	2.06E-01
Mammalian herbivores (M122A)	1.43E-01
Pygmy rabbit	6.33E-02
Mammalian herbivores (M123)	1.34E-01
Mammalian insectivores (M210)	3.86E-03
Mammalian insectivores (M210A)	2.04E-02
Townsend's western big-eared bat	1.43E-02
Small-footed myotis	2.03E-02
Long-eared myotis	1.76E-02
Mammalian insectivores (M222)	3.53E-01
Mammalian carnivore (M322)	1.14E-03
Mammalian omnivores (M422)	3.94E-02
Mammalian omnivores (M422A)	5.43E-04
Reptilian insectivores (R222)	1.14E-02
Sagebrush lizard	1.14E-02
Reptilian carnivores (R322)	2.39E-02
Plants	7.60E+01

Hazard Quotient (unitless)

Functional groups	TPH
Amphibians (A232)	NA
Avian herbivores (AV121)	8.E-05
Avian herbivores (AV122)	5.E-04
Avian insectivores (AV210)	2.E-04
Black tern	4.E-05
Avian insectivores (AV210A)	7.E-04
Avian insectivores (AV221)	1.E-02
Avian insectivores (AV222)	7.E-03
Avian insectivores (AV222A)	4.E-03
Avian carnivores (AV310)	5.E-06
Northern goshawk	7.E-07
Peregrine falcon	5.E-06
Avian carnivores (AV322)	2.E-04
Bald eagle	2.E-07
Ferruginous hawk	6.E-07
Loggerhead shrike	2.E-04
Avian carnivores (AV322A)	3.E-05
Burrowing Owl	3.E-05
Avian omnivores (AV422)	1.E-04
Mammalian herbivores (M121)	6.E-06
Mammalian herbivores (M122)	7.E-03
Mammalian herbivores (M122A)	5.E-03
Pygmy rabbit	2.E-03
Mammalian herbivores (M123)	4.E-03
Mammalian insectivores (M210)	1.E-04
Mammalian insectivores (M210A)	7.E-04
Townsend's western big-eared bat	5.E-04
Small-footed myotis	6.E-04
Long-eared myotis	6.E-04
Mammalian insectivores (M222)	1.E-02
Mammalian carnivore (M322)	1.E-05
Mammalian omnivores (M422)	1.E-03
Mammalian omnivores (M422A)	2.E-05
Reptilian insectivores (R222)	NA
Sagebrush lizard	NA
Reptilian carnivores (R322)	NA
Plants	NA
Maximum hazard quotient	1.E-02

Concentrations	TPH	Xylene
Concentration in surface soil	5.61E+03	0.00E+00
Concentration in sub-surface soil	0.00E+00	6.69E+00
Concentration used in ERA	5.61E+03	6.69E+00
Water concentration (mg/L)	0.00E+00	0.00E+00
Size of Site	**2.52E-03**	
Dose (mg/kg-d)		
Functional groups	TPH	Xylene
Amphibians (A232)	8.73E-01	1.11E-03
Avian herbivores (AV121)	1.83E-01	1.12E-04
Avian herbivores (AV122)	1.04E+00	7.49E-04
Avian insectivores (AV210)	3.12E-01	7.60E-06
Black tern	4.77E-02	1.90E-05
Avian insectivores (AV210A)	1.02E+00	3.66E-05
Avian insectivores (AV221)	2.05E+01	7.58E-04
Avian insectivores (AV222)	9.50E+00	1.16E-03
Avian insectivores (AV222A)	6.32E+00	7.01E-04
Avian carnivores (AV310)	7.36E-03	1.79E-07
Northern goshawk	9.30E-04	2.26E-08
Peregrine falcon	6.63E-03	1.62E-07
Avian carnivores (AV322)	2.70E-01	6.57E-06
Bald eagle	2.37E-04	5.77E-09
Ferruginous hawk	9.05E-04	2.20E-08
Loggerhead shrike	3.45E-01	8.41E-06
Avian carnivores (AV322A)	3.94E-02	1.41E-06
Burrowing Owl	3.94E-02	1.41E-06
Avian omnivores (AV422)	1.64E-01	5.03E-05
Mammalian herbivores (M121)	1.74E-02	1.07E-05
Mammalian herbivores (M122)	1.73E+01	1.18E-02
Mammalian herbivores (M122A)	1.28E+01	8.29E-03
Pygmy rabbit	5.66E+00	3.47E-03
Mammalian herbivores (M123)	1.20E+01	7.75E-03
Mammalian insectivores (M210)	3.39E-01	8.25E-06
Mammalian insectivores (M210A)	1.82E+00	4.35E-05
Townsend's western big-eared bat	1.27E+00	1.52E-05
Small-footed myotis	1.82E+00	2.17E-05
Long-eared myotis	1.57E+00	3.75E-05
Mammalian insectivores (M222)	3.16E+01	9.05E-04
Mammalian carnivore (M322)	1.02E-01	9.33E-06
Mammalian omnivores (M422)	3.53E+00	6.08E-04
Mammalian omnivores (M422A)	4.85E-02	8.36E-06
Reptilian insectivores (R222)	1.02E+00	2.93E-05
Sagebrush lizard	1.02E+00	2.93E-05
Reptilian carnivores (R322)	2.14E+00	1.22E-04
Plants	5.61E+03	6.69E+00

Hazard Quotient (unitless)

Functional groups	TPH	Xylene
Amphibians (A232)	NA	NA
Avian herbivores (AV121)	7.E-03	NA
Avian herbivores (AV122)	4.E-02	NA
Avian insectivores (AV210)	2.E-02	NA
Black tern	3.E-03	NA
Avian insectivores (AV210A)	6.E-02	NA
Avian insectivores (AV221)	1.E+00	NA
Avian insectivores (AV222)	6.E-01	NA
Avian insectivores (AV222A)	4.E-01	NA
Avian carnivores (AV310)	5.E-04	NA
Northern goshawk	6.E-05	NA
Peregrine falcon	4.E-04	NA
Avian carnivores (AV322)	2.E-02	NA
Bald eagle	1.E-05	NA
Ferruginous hawk	6.E-05	NA
Loggerhead shrike	2.E-02	NA
Avian carnivores (AV322A)	2.E-03	NA
Burrowing Owl	2.E-03	NA
Avian omnivores (AV422)	1.E-02	NA
Mammalian herbivores (M121)	6.E-04	1.E-04
Mammalian herbivores (M122)	6.E-01	1.E-01
Mammalian herbivores (M122A)	4.E-01	1.E-01
Pygmy rabbit	2.E-01	4.E-02
Mammalian herbivores (M123)	4.E-01	9.E-02
Mammalian insectivores (M210)	1.E-02	1.E-04
Mammalian insectivores (M210A)	6.E-02	5.E-04
Townsend's western big-eared bat	4.E-02	2.E-04
Small-footed myotis	6.E-02	3.E-04
Long-eared myotis	5.E-02	4.E-04
Mammalian insectivores (M222)	1.E+00	1.E-02
Mammalian carnivore (M322)	1.E-03	1.E-04
Mammalian omnivores (M422)	1.E-01	5.E-03
Mammalian omnivores (M422A)	2.E-03	6.E-05
Reptilian insectivores (R222)	NA	NA
Sagebrush lizard	NA	NA
Reptilian carnivores (R322)	NA	NA
Plants	NA	NA
Maximum hazard quotient	1.E+00	1.E-01

Concentrations	*TPH*
Concentration in surface soil	0.00E+00
Concentration in sub-surface soil	2.90E+02
Maximum concentration	2.90E+02
Water concentration (mg/L)	0.00E+00
Size of Site	**7.43E-04**
Dose (mg/kg-d)	
Functional groups	TPH
Amphibians (A232)	1.41E-02
Avian herbivores (AV121)	2.82E-03
Avian herbivores (AV122)	1.74E-02
Avian insectivores (AV210)	4.85E-03
Black tern	9.69E-04
Avian insectivores (AV210A)	1.56E-02
Avian insectivores (AV221)	3.23E-01
Avian insectivores (AV222)	1.60E-01
Avian insectivores (AV222A)	9.62E-02
Avian carnivores (AV310)	1.14E-04
Northern goshawk	1.45E-05
Peregrine falcon	1.03E-04
Avian carnivores (AV322)	4.19E-03
Bald eagle	3.68E-06
Ferruginous hawk	1.41E-05
Loggerhead shrike	5.37E-03
Avian carnivores (AV322A)	6.00E-04
Burrowing Owl	6.00E-04
Avian omnivores (AV422)	2.75E-03
Mammalian herbivores (M121)	2.65E-04
Mammalian herbivores (M122)	2.81E-01
Mammalian herbivores (M122A)	1.95E-01
Pygmy rabbit	8.63E-02
Mammalian herbivores (M123)	1.83E-01
Mammalian insectivores (M210)	5.27E-03
Mammalian insectivores (M210A)	2.78E-02
Townsend's western big-eared bat	1.94E-02
Small-footed myotis	2.77E-02
Long-eared myotis	2.39E-02
Mammalian insectivores (M222)	4.82E-01
Mammalian carnivore (M322)	1.55E-03
Mammalian omnivores (M422)	5.37E-02
Mammalian omnivores (M422A)	7.40E-04
Reptilian insectivores (R222)	1.56E-02
Sagebrush lizard	1.56E-02
Reptilian carnivores (R322)	3.26E-02
Plants	2.96E+02

Hazard Quotient (unitless)

Functional groups	TPH
Amphibians (A232)	NA
Avian herbivores (AV121)	1.E-04
Avian herbivores (AV122)	7.E-04
Avian insectivores (AV210)	3.E-04
Black tern	6.E-05
Avian insectivores (AV210A)	1.E-03
Avian insectivores (AV221)	2.E-02
Avian insectivores (AV222)	1.E-02
Avian insectivores (AV222A)	6.E-03
Avian carnivores (AV310)	7.E-06
Northern goshawk	9.E-07
Peregrine falcon	6.E-06
Avian carnivores (AV322)	3.E-04
Bald eagle	2.E-07
Ferruginous hawk	9.E-07
Loggerhead shrike	3.E-04
Avian carnivores (AV322A)	4.E-05
Burrowing Owl	4.E-05
Avian omnivores (AV422)	2.E-04
Mammalian herbivores (M121)	8.E-06
Mammalian herbivores (M122)	9.E-03
Mammalian herbivores (M122A)	6.E-03
Pygmy rabbit	3.E-03
Mammalian herbivores (M123)	6.E-03
Mammalian insectivores (M210)	2.E-04
Mammalian insectivores (M210A)	9.E-04
Townsend's western big-eared bat	6.E-04
Small-footed myotis	9.E-04
Long-eared myotis	8.E-04
Mammalian insectivores (M222)	2.E-02
Mammalian carnivore (M322)	2.E-05
Mammalian omnivores (M422)	2.E-03
Mammalian omnivores (M422A)	2.E-05
Reptilian insectivores (R222)	NA
Sagebrush lizard	NA
Reptilian carnivores (R322)	NA
Plants	NA
Maximum hazard quotient	2.E-02

Concentrations	TPH
Concentration in surface soil	0.00E+00
Concentration in sub-surface soil	1.80E+02
Maximum concentration	1.80E+02
Water concentration (mg/L)	0.00E+00
Size of Site	**5.94E-04**
Dose (mg/kg-d)	
Functional groups	TPH
Amphibians (A232)	7.02E-03
Avian herbivores (AV121)	1.40E-03
Avian herbivores (AV122)	8.64E-03
Avian insectivores (AV210)	2.41E-03
Black tern	4.81E-04
Avian insectivores (AV210A)	7.74E-03
Avian insectivores (AV221)	1.60E-01
Avian insectivores (AV222)	7.92E-02
Avian insectivores (AV222A)	4.78E-02
Avian carnivores (AV310)	5.68E-05
Northern goshawk	7.17E-06
Peregrine falcon	5.12E-05
Avian carnivores (AV322)	2.08E-03
Bald eagle	1.83E-06
Ferrüginous hawk	6.98E-06
Loggerhead shrike	2.66E-03
Avian carnivores (AV322A)	2.98E-04
Burrowing Owl	2.98E-04
Avian omnivores (AV422)	1.36E-03
Mammalian herbivores (M121)	1.32E-04
Mammalian herbivores (M122)	1.39E-01
Mammalian herbivores (M122A)	9.70E-02
Pygmy rabbit	4.28E-02
Mammalian herbivores (M123)	9.06E-02
Mammalian insectivores (M210)	2.61E-03
Mammalian insectivores (M210A)	1.38E-02
Townsend's western big-eared bat	9.64E-03
Small-footed myotis	1.37E-02
Long-eared myotis	1.19E-02
Mammalian insectivores (M222)	2.39E-01
Mammalian carnivore (M322)	7.68E-04
Mammalian omnivores (M422)	2.67E-02
Mammalian omnivores (M422A)	3.67E-04
Reptilian insectivores (R222)	7.74E-03
Sagebrush lizard	7.74E-03
Reptilian carnivores (R322)	1.62E-02
Plants	1.80E+02

Hazard Quotient (unitless)

Functional groups	TPH
Amphibians (A232)	NA
Avian herbivores (AV121)	6.E-05
Avian herbivores (AV122)	3.E-04
Avian insectivores (AV210)	1.E-04
Black tern	3.E-05
Avian insectivores (AV210A)	5.E-04
Avian insectivores (AV221)	1.E-02
Avian insectivores (AV222)	5.E-03
Avian insectivores (AV222A)	3.E-03
Avian carnivores (AV310)	4.E-06
Northern goshawk	4.E-07
Peregrine falcon	3.E-06
Avian carnivores (AV322)	1.E-04
Bald eagle	1.E-07
Ferruginous hawk	4.E-07
Loggerhead shrike	2.E-04
Avian carnivores (AV322A)	2.E-05
Burrowing Owl	2.E-05
Avian omnivores (AV422)	8.E-05
Mammalian herbivores (M121)	4.E-06
Mammalian herbivores (M122)	4.E-03
Mammalian herbivores (M122A)	3.E-03
Pygmy rabbit	1.E-03
Mammalian herbivores (M123)	3.E-03
Mammalian insectivores (M210)	8.E-05
Mammalian insectivores (M210A)	4.E-04
Townsend's western big-eared bat	3.E-04
Small-footed myotis	4.E-04
Long-eared myotis	4.E-04
Mammalian insectivores (M222)	8.E-03
Mammalian carnivore (M322)	8.E-06
Mammalian omnivores (M422)	9.E-04
Mammalian omnivores (M422A)	1.E-05
Reptilian insectivores (R222)	NA
Sagebrush lizard	NA
Reptilian carnivores (R322)	NA
Plants	NA
Maximum hazard quotient	1.E-02

Concentrations	TPH
Concentration in surface soil	0.00E+00
Concentration in sub-surface soil	4.27E+02
Maximum concentration	4.27E+02
Water concentration (mg/L)	0.00E+00
Size of Site	**7.56E-03**
Dose (mg/kg-d)	
Functional groups	TPH
Amphibians (A232)	2.12E-01
Avian herbivores (AV121)	4.23E-02
Avian herbivores (AV122)	2.61E-01
Avian insectivores (AV210)	7.26E-02
Black tern	1.45E-02
Avian insectivores (AV210A)	2.34E-01
Avian insectivores (AV221)	4.83E+00
Avian insectivores (AV222)	2.39E+00
Avian insectivores (AV222A)	1.44E+00
Avian carnivores (AV310)	1.71E-03
Northern goshawk	2.17E-04
Peregrine falcon	1.54E-03
Avian carnivores (AV322)	6.28E-02
Bald eagle	5.52E-05
Ferruginous hawk	2.11E-04
Loggerhead shrike	8.04E-02
Avian carnivores (AV322A)	9.00E-03
Burrowing Owl	9.00E-03
Avian omnivores (AV422)	4.12E-02
Mammalian herbivores (M121)	3.97E-03
Mammalian herbivores (M122)	4.21E+00
Mammalian herbivores (M122A)	2.93E+00
Pygmy rabbit	1.29E+00
Mammalian herbivores (M123)	2.74E+00
Mammalian insectivores (M210)	7.89E-02
Mammalian insectivores (M210A)	4.16E-01
Townsend's western big-eared bat	2.91E-01
Small-footed myotis	4.15E-01
Long-eared myotis	3.59E-01
Mammalian insectivores (M222)	7.22E+00
Mammalian carnivore (M322)	2.32E-02
Mammalian omnivores (M422)	8.05E-01
Mammalian omnivores (M422A)	1.11E-02
Reptilian insectivores (R222)	2.34E-01
Sagebrush lizard	2.34E-01
Reptilian carnivores (R322)	4.88E-01
Plants	4.27E+02

Hazard Quotient (unitless)

Functional groups	TPH
Amphibians (A232)	NA
Avian herbivores (AV121)	2.E-03
Avian herbivores (AV122)	1.E-02
Avian insectivores (AV210)	4.E-03
Black tern	9.E-04
Avian insectivores (AV210A)	1.E-02
Avian insectivores (AV221)	3.E-01
Avian insectivores (AV222)	1.E-01
Avian insectivores (AV222A)	9.E-02
Avian carnivores (AV310)	1.E-04
Northern goshawk	1.E-05
Peregrine falcon	1.E-04
Avian carnivores (AV322)	4.E-03
Bald eagle	3.E-06
Ferruginous hawk	1.E-05
Loggerhead shrike	5.E-03
Avian carnivores (AV322A)	6.E-04
Burrowing Owl	6.E-04
Avian omnivores (AV422)	3.E-03
Mammalian herbivores (M121)	1.E-04
Mammalian herbivores (M122)	1.E-01
Mammalian herbivores (M122A)	9.E-02
Pygmy rabbit	4.E-02
Mammalian herbivores (M123)	9.E-02
Mammalian insectivores (M210)	3.E-03
Mammalian insectivores (M210A)	1.E-02
Townsend's western big-eared bat	9.E-03
Small-footed myotis	1.E-02
Long-eared myotis	1.E-02
Mammalian insectivores (M222)	2.E-01
Mammalian carnivore (M322)	2.E-04
Mammalian omnivores (M422)	3.E-02
Mammalian omnivores (M422A)	4.E-04
Reptilian insectivores (R222)	NA
Sagebrush lizard	NA
Reptilian carnivores (R322)	NA
Plants	NA
Maximum hazard quotient	3.E-01

Concentrations	TPH
Concentration in surface soil	0.00E+00
Concentration in sub-surface soil	6.25E+02
Maximum concentration	6.25E+02
Water concentration (mg/L)	0.00E+00
Size of Site	**5.40E-02**
Dose (mg/kg-d)	
Functional groups	TPH
Amphibians (A232)	2.21E+00
Avian herbivores (AV121)	4.42E-01
Avian herbivores (AV122)	2.73E+00
Avian insectivores (AV210)	7.59E-01
Black tern	1.52E-01
Avian insectivores (AV210A)	2.44E+00
Avian insectivores (AV221)	5.05E+01
Avian insectivores (AV222)	2.50E+01
Avian insectivores (AV222A)	1.51E+01
Avian carnivores (AV310)	1.79E-02
Northern goshawk	2.26E-03
Peregrine falcon	1.62E-02
Avian carnivores (AV322)	6.57E-01
Bald eagle	5.77E-04
Ferruginous hawk	2.20E-03
Loggerhead shrike	8.41E-01
Avian carnivores (AV322A)	9.41E-02
Burrowing Owl	9.41E-02
Avian omnivores (AV422)	4.30E-01
Mammalian herbivores (M121)	4.16E-02
Mammalian herbivores (M122)	4.40E+01
Mammalian herbivores (M122A)	3.06E+01
Pygmy rabbit	1.35E+01
Mammalian herbivores (M123)	2.86E+01
Mammalian insectivores (M210)	8.25E-01
Mammalian insectivores (M210A)	4.35E+00
Townsend's western big-eared bat	3.04E+00
Small-footed myotis	4.34E+00
Long-eared myotis	3.75E+00
Mammalian insectivores (M222)	7.54E+01
Mammalian carnivore (M322)	2.43E-01
Mammalian omnivores (M422)	8.42E+00
Mammalian omnivores (M422A)	1.16E-01
Reptilian insectivores (R222)	2.44E+00
Sagebrush lizard	2.44E+00
Reptilian carnivores (R322)	5.10E+00
Plants	6.25E+02

Hazard Quotient (unitless)

Functional groups	TPH
Amphibians (A232)	NA
Avian herbivores (AV121)	2.E-02
Avian herbivores (AV122)	1.E-01
Avian insectivores (AV210)	5.E-02
Black tern	9.E-03
Avian insectivores (AV210A)	2.E-01
Avian insectivores (AV221)	3.E+00
Avian insectivores (AV222)	2.E+00
Avian insectivores (AV222A)	9.E-01
Avian carnivores (AV310)	1.E-03
Northern goshawk	1.E-04
Peregrine falcon	1.E-03
Avian carnivores (AV322)	4.E-02
Bald eagle	4.E-05
Ferruginous hawk	1.E-04
Loggerhead shrike	5.E-02
Avian carnivores (AV322A)	6.E-03
Burrowing Owl	6.E-03
Avian omnivores (AV422)	3.E-02
Mammalian herbivores (M121)	1.E-03
Mammalian herbivores (M122)	1.E+00
Mammalian herbivores (M122A)	1.E+00
Pygmy rabbit	4.E-01
Mammalian herbivores (M123)	9.E-01
Mammalian insectivores (M210)	3.E-02
Mammalian insectivores (M210A)	1.E-01
Townsend's western big-eared bat	1.E-01
Small-footed myotis	1.E-01
Long-eared myotis	1.E-01
Mammalian insectivores (M222)	2.E+00
Mammalian carnivore (M322)	2.E-03
Mammalian omnivores (M422)	3.E-01
Mammalian omnivores (M422A)	4.E-03
Reptilian insectivores (R222)	NA
Sagebrush lizard	NA
Reptilian carnivores (R322)	NA
Plants	NA
Maximum hazard quotient	3.E+00

Concentrations	TPH
Concentration in surface soil	0.00E+00
Concentration in sub-surface soil	1.00E+03
Maximum concentration	1.00E+03
Water concentration (mg/L)	0.00E+00
Size of Site	**7.00E-01**
Dose (mg/kg-d)	
Functional groups	TPH
Amphibians (A232)	8.11E+00
Avian herbivores (AV121)	9.16E+00
Avian herbivores (AV122)	5.66E+01
Avian insectivores (AV210)	1.58E+01
Black tern	3.15E+00
Avian insectivores (AV210A)	5.07E+01
Avian insectivores (AV221)	1.95E+02
Avian insectivores (AV222)	2.82E+02
Avian insectivores (AV222A)	1.83E+02
Avian carnivores (AV310)	3.72E-01
Northern goshawk	4.70E-02
Peregrine falcon	3.35E-01
Avian carnivores (AV322)	1.36E+01
Bald eagle	1.20E-02
Ferruginous hawk	4.57E-02
Loggerhead shrike	1.74E+01
Avian carnivores (AV322A)	1.95E+00
Burrowing Owl	1.95E+00
Avian omnivores (AV422)	8.93E+00
Mammalian herbivores (M121)	8.62E-01
Mammalian herbivores (M122)	3.00E+02
Mammalian herbivores (M122A)	2.72E+02
Pygmy rabbit	1.12E+02
Mammalian herbivores (M123)	1.69E+02
Mammalian insectivores (M210)	1.71E+01
Mammalian insectivores (M210A)	9.02E+01
Townsend's western big-eared bat	6.31E+01
Small-footed myotis	8.99E+01
Long-eared myotis	7.78E+01
Mammalian insectivores (M222)	2.77E+02
Mammalian carnivore (M322)	5.03E+00
Mammalian omnivores (M422)	1.75E+02
Mammalian omnivores (M422A)	2.40E+00
Reptilian insectivores (R222)	8.47E+00
Sagebrush lizard	8.47E+00
Reptilian carnivores (R322)	1.06E+02
Plants	1.00E+03

Hazard Quotient (unitless)

Functional groups	TPH
Amphibians (A232)	NA
Avian herbivores (AV121)	4.E-01
Avian herbivores (AV122)	2.E+00
Avian insectivores (AV210)	1.E+00
Black tern	2.E-01
Avian insectivores (AV210A)	3.E+00
Avian insectivores (AV221)	1.E+01
Avian insectivores (AV222)	2.E+01
Avian insectivores (AV222A)	1.E+01
Avian carnivores (AV310)	2.E-02
Northern goshawk	3.E-03
Peregrine falcon	2.E-02
Avian carnivores (AV322)	8.E-01
Bald eagle	7.E-04
Ferruginous hawk	3.E-03
Loggerhead shrike	1.E+00
Avian carnivores (AV322A)	1.E-01
Burrowing Owl	1.E-01
Avian omnivores (AV422)	6.E-01
Mammalian herbivores (M121)	3.E-02
Mammalian herbivores (M122)	1.E+01
Mammalian herbivores (M122A)	9.E+00
Pygmy rabbit	4.E+00
Mammalian herbivores (M123)	5.E+00
Mammalian insectivores (M210)	5.E-01
Mammalian insectivores (M210A)	3.E+00
Townsend's western big-eared bat	2.E+00
Small-footed myotis	3.E+00
Long-eared myotis	2.E+00
Mammalian insectivores (M222)	9.E+00
Mammalian carnivore (M322)	5.E-02
Mammalian omnivores (M422)	6.E+00
Mammalian omnivores (M422A)	8.E-02
Reptilian insectivores (R222)	NA
Sagebrush lizard	NA
Reptilian carnivores (R322)	NA
Plants	NA
Maximum hazard quotient	2.E+01

Concentrations	Lead
Concentration in surface soil	4.73E+02
Concentration in sub-surface soil	0.00E+00
Concentration used in ERA	4.73E+02
Water concentration (mg/L)	0.00E+00
Size of Site	**1.53E+00**
Dose (mg/kg-d)	
Functional groups	Lead
Amphibians (A232)	3.61E+00
Avian herbivores (AV121)	4.23E-01
Avian herbivores (AV122)	2.39E+00
Avian insectivores (AV210)	4.80E+00
Black tern	7.34E-01
Avian insectivores (AV210A)	1.69E+01
Avian insectivores (AV221)	2.68E+01
Avian insectivores (AV222)	3.62E+01
Avian insectivores (AV222A)	3.16E+01
Avian carnivores (AV310)	2.27E-01
Northern goshawk	2.86E-02
Peregrine falcon	2.04E-01
Avian carnivores (AV322)	8.30E+00
Bald eagle	7.29E-03
Ferruginous hawk	2.79E-02
Loggerhead shrike	1.06E+01
Avian carnivores (AV322A)	1.24E+00
Burrowing Owl	1.24E+00
Avian omnivores (AV422)	3.60E+00
Mammalian herbivores (M121)	5.73E-02
Mammalian herbivores (M122)	5.98E+00
Mammalian herbivores (M122A)	1.53E+01
Pygmy rabbit	3.40E+00
Mammalian herbivores (M123)	9.50E+00
Mammalian insectivores (M210)	5.21E+00
Mammalian insectivores (M210A)	2.94E+01
Townsend's western big-eared bat	2.01E+01
Small-footed myotis	2.86E+01
Long-eared myotis	2.53E+01
Mammalian insectivores (M222)	4.15E+01
Mammalian carnivore (M322)	3.29E+00
Mammalian omnivores (M422)	4.94E+01
Mammalian omnivores (M422A)	1.45E+00
Reptilian insectivores (R222)	1.27E+00
Sagebrush lizard	1.27E+00
Reptilian carnivores (R322)	6.79E+01
Plants	4.73E+02

Hazard Quotient (unitless)

Functional groups	Lead
Amphibians (A232)	NA
Avian herbivores (AV121)	1.E+01
Avian herbivores (AV122)	8.E+01
Avian insectivores (AV210)	1.E+02
Black tern	2.E+01
Avian insectivores (AV210A)	2.E+02
Avian insectivores (AV221)	7.E+02
Avian insectivores (AV222)	9.E+02
Avian insectivores (AV222A)	8.E+02
Avian carnivores (AV310)	8.E+00
Northern goshawk	7.E-01
Peregrine falcon	5.E+00
Avian carnivores (AV322)	3.E+02
Bald eagle	2.E-01
Ferruginous hawk	9.E-01
Loggerhead shrike	4.E+02
Avian carnivores (AV322A)	4.E+01
Burrowing Owl	4.E+01
Avian omnivores (AV422)	1.E+02
Mammalian herbivores (M121)	2.E-02
Mammalian herbivores (M122)	2.E+00
Mammalian herbivores (M122A)	6.E+00
Pygmy rabbit	1.E+00
Mammalian herbivores (M123)	4.E+00
Mammalian insectivores (M210)	2.E+00
Mammalian insectivores (M210A)	1.E+01
Townsend's western big-eared bat	7.E+00
Small-footed myotis	1.E+01
Long-eared myotis	9.E+00
Mammalian insectivores (M222)	2.E+01
Mammalian carnivore (M322)	1.E+00
Mammalian omnivores (M422)	1.E+01
Mammalian omnivores (M422A)	4.E-01
Reptilian insectivores (R222)	NA
Sagebrush lizard	NA
Reptilian carnivores (R322)	NA
Plants	9.E+00
Maximum hazard quotient	9.E+02

Concentrations	Lead
Concentration in surface soil	5.11E+01
Concentration in sub-surface soil	5.80E+00
Concentration used in ERA	5.11E+01
Water concentration (mg/L)	0.00E+00
Size of Site	**9.24E-04**
Dose (mg/kg-d)	
Functional groups	Lead
Amphibians (A232)	2.94E-03
Avian herbivores (AV121)	2.82E-05
Avian herbivores (AV122)	1.96E-04
Avian insectivores (AV210)	3.15E-04
Black tern	5.38E-05
Avian insectivores (AV210A)	1.10E-03
Avian insectivores (AV221)	2.08E-02
Avian insectivores (AV222)	9.89E-03
Avian insectivores (AV222A)	7.70E-03
Avian carnivores (AV310)	1.48E-05
Northern goshawk	1.87E-06
Peregrine falcon	1.33E-05
Avian carnivores (AV322)	5.42E-04
Bald eagle	4.77E-07
Ferruginous hawk	1.82E-06
Loggerhead shrike	6.94E-04
Avian carnivores (AV322A)	8.05E-05
Burrowing Owl	8.05E-05
Avian omnivores (AV422)	2.40E-04
Mammalian herbivores (M121)	3.73E-06
Mammalian herbivores (M122)	3.04E-03
Mammalian herbivores (M122A)	5.08E-03
Pygmy rabbit	1.21E-03
Mammalian herbivores (M123)	4.74E-03
Mammalian insectivores (M210)	3.42E-04
Mammalian insectivores (M210A)	1.91E-03
Townsend's western big-eared bat	1.31E-03
Small-footed myotis	1.86E-03
Long-eared myotis	1.65E-03
Mammalian insectivores (M222)	3.34E-02
Mammalian carnivore (M322)	2.14E-04
Mammalian omnivores (M422)	6.85E-03
Mammalian omnivores (M422A)	9.44E-05
Reptilian insectivores (R222)	1.08E-03
Sagebrush lizard	1.08E-03
Reptilian carnivores (R322)	4.42E-03
Plants	5.11E+01

Hazard Quotient (unitless)

Functional groups	Lead
Amphibians (A232)	NA
Avian herbivores (AV121)	9.E-04
Avian herbivores (AV122)	7.E-03
Avian insectivores (AV210)	8.E-03
Black tern	2.E-03
Avian insectivores (AV210A)	1.E-02
Avian insectivores (AV221)	5.E-01
Avian insectivores (AV222)	2.E-01
Avian insectivores (AV222A)	2.E-01
Avian carnivores (AV310)	5.E-04
Northern goshawk	5.E-05
Peregrine falcon	3.E-04
Avian carnivores (AV322)	2.E-02
Bald eagle	2.E-05
Ferruginous hawk	6.E-05
Loggerhead shrike	2.E-02
Avian carnivores (AV322A)	3.E-03
Burrowing Owl	3.E-03
Avian omnivores (AV422)	8.E-03
Mammalian herbivores (M121)	1.E-06
Mammalian herbivores (M122)	1.E-03
Mammalian herbivores (M122A)	2.E-03
Pygmy rabbit	4.E-04
Mammalian herbivores (M123)	2.E-03
Mammalian insectivores (M210)	1.E-04
Mammalian insectivores (M210A)	7.E-04
Townsend's western big-eared bat	5.E-04
Small-footed myotis	7.E-04
Long-eared myotis	6.E-04
Mammalian insectivores (M222)	1.E-02
Mammalian carnivore (M322)	8.E-05
Mammalian omnivores (M422)	2.E-03
Mammalian omnivores (M422A)	3.E-05
Reptilian insectivores (R222)	NA
Sagebrush lizard	NA
Reptilian carnivores (R322)	NA
Plants	1.E+00
Maximum hazard quotient	1.E+00

Concentrations	TPH
Concentration in surface soil	0.00E+00
Concentration in sub-surface soil	1.00E+03
Maximum concentration	1.00E+03
Water concentration (mg/L)	0.00E+00
Size of Site	**1.49E-04**
Dose (mg/kg-d)	
Functional groups	TPH
Amphibians (A232)	9.78E-03
Avian herbivores (AV121)	1.95E-03
Avian herbivores (AV122)	1.20E-02
Avian insectivores (AV210)	3.35E-03
Black tern	6.70E-04
Avian insectivores (AV210A)	1.08E-02
Avian insectivores (AV221)	2.23E-01
Avian insectivores (AV222)	1.10E-01
Avian insectivores (AV222A)	6.66E-02
Avian carnivores (AV310)	7.91E-05
Northern goshawk	1.00E-05
Peregrine falcon	7.13E-05
Avian carnivores (AV322)	2.90E-03
Bald eagle	2.55E-06
Ferruginous hawk	9.73E-06
Loggerhead shrike	3.71E-03
Avian carnivores (AV322A)	4.15E-04
Burrowing Owl	4.15E-04
Avian omnivores (AV422)	1.90E-03
Mammalian herbivores (M121)	1.83E-04
Mammalian herbivores (M122)	1.94E-01
Mammalian herbivores (M122A)	1.35E-01
Pygmy rabbit	5.97E-02
Mammalian herbivores (M123)	1.26E-01
Mammalian insectivores (M210)	3.64E-03
Mammalian insectivores (M210A)	1.92E-02
Townsend's western big-eared bat	1.34E-02
Small-footed myotis	1.91E-02
Long-eared myotis	1.66E-02
Mammalian insectivores (M222)	3.33E-01
Mammalian carnivore (M322)	1.07E-03
Mammalian omnivores (M422)	3.72E-02
Mammalian omnivores (M422A)	5.12E-04
Reptilian insectivores (R222)	1.08E-02
Sagebrush lizard	1.08E-02
Reptilian carnivores (R322)	2.25E-02
Plants	1.00E+03

Hazard Quotient (unitless)

Functional groups	TPH
Amphibians (A232)	NA
Avian herbivores (AV121)	8.E-05
Avian herbivores (AV122)	5.E-04
Avian insectivores (AV210)	2.E-04
Black tern	4.E-05
Avian insectivores (AV210A)	7.E-04
Avian insectivores (AV221)	1.E-02
Avian insectivores (AV222)	7.E-03
Avian insectivores (AV222A)	4.E-03
Avian carnivores (AV310)	5.E-06
Northern goshawk	6.E-07
Peregrine falcon	4.E-06
Avian carnivores (AV322)	2.E-04
Bald eagle	2.E-07
Ferruginous hawk	6.E-07
Loggerhead shrike	2.E-04
Avian carnivores (AV322A)	3.E-05
Burrowing Owl	3.E-05
Avian omnivores (AV422)	1.E-04
Mammalian herbivores (M121)	6.E-06
Mammalian herbivores (M122)	6.E-03
Mammalian herbivores (M122A)	4.E-03
Pygmy rabbit	2.E-03
Mammalian herbivores (M123)	4.E-03
Mammalian insectivores (M210)	1.E-04
Mammalian insectivores (M210A)	6.E-04
Townsend's western big-eared bat	4.E-04
Small-footed myotis	6.E-04
Long-eared myotis	5.E-04
Mammalian insectivores (M222)	1.E-02
Mammalian carnivore (M322)	1.E-05
Mammalian omnivores (M422)	1.E-03
Mammalian omnivores (M422A)	2.E-05
Reptilian insectivores (R222)	NA
Sagebrush lizard	NA
Reptilian carnivores (R322)	NA
Plants	NA
Maximum hazard quotient	1.E-02

Concentrations	Lead	Mercury
Concentration in surface soil	4.31E+01	1.80E-01
Concentration in sub-surface soil	0.00E+00	0.00E+00
Concentration used in ERA	4.31E+01	1.80E-01
Water concentration (mg/L)	0.00E+00	0.00E+00
Size of Site	**9.29E-04**	
Dose (mg/kg-d)		
Functional groups	Lead	Mercury
Amphibians (A232)	2.47E-03	1.03E-05
Avian herbivores (AV121)	2.33E-05	1.95E-06
Avian herbivores (AV122)	1.32E-04	1.10E-05
Avian insectivores (AV210)	2.65E-04	1.48E-06
Black tern	4.05E-05	2.26E-07
Avian insectivores (AV210A)	9.31E-04	5.06E-06
Avian insectivores (AV221)	1.75E-02	9.72E-05
Avian insectivores (AV222)	8.07E-03	4.49E-05
Avian insectivores (AV222A)	6.53E-03	3.40E-05
Avian carnivores (AV310)	1.25E-05	6.09E-08
Northern goshawk	1.58E-06	7.70E-09
Peregrine falcon	1.13E-05	5.49E-08
Avian carnivores (AV322)	4.58E-04	2.23E-06
Bald eagle	4.03E-07	1.96E-09
Ferruginous hawk	1.54E-06	7.49E-09
Loggerhead shrike	5.86E-04	2.86E-06
Avian carnivores (AV322A)	6.83E-05	3.30E-07
Burrowing Owl	6.83E-05	3.30E-07
Avian omnivores (AV422)	1.99E-04	1.47E-06
Mammalian herbivores (M121)	3.16E-06	1.86E-07
Mammalian herbivores (M122)	2.20E-03	1.84E-04
Mammalian herbivores (M122A)	4.30E-03	1.38E-04
Pygmy rabbit	1.03E-03	6.04E-05
Mammalian herbivores (M123)	4.02E-03	1.29E-04
Mammalian insectivores (M210)	2.88E-04	1.60E-06
Mammalian insectivores (M210A)	1.62E-03	8.88E-06
Townsend's western big-eared bat	1.11E-03	6.12E-06
Small-footed myotis	1.58E-03	8.72E-06
Long-eared myotis	1.40E-03	7.66E-06
Mammalian insectivores (M222)	2.84E-02	1.55E-04
Mammalian carnivore (M322)	1.82E-04	8.69E-07
Mammalian omnivores (M422)	5.81E-03	3.12E-05
Mammalian omnivores (M422A)	8.00E-05	4.30E-07
Reptilian insectivores (R222)	9.18E-04	5.02E-06
Sagebrush lizard	9.18E-04	5.02E-06
Reptilian carnivores (R322)	3.75E-03	1.81E-05
Plants	4.31E+01	1.80E-01

Hazard Quotient (unitless)

Functional groups	Lead	Mercury
Amphibians (A232)	NA	NA
Avian herbivores (AV121)	8.E-04	5.E-04
Avian herbivores (AV122)	4.E-03	3.E-03
Avian insectivores (AV210)	7.E-03	9.E-06
Black tern	1.E-03	3.E-05
Avian insectivores (AV210A)	1.E-02	3.E-05
Avian insectivores (AV221)	4.E-01	6.E-04
Avian insectivores (AV222)	2.E-01	3.E-04
Avian insectivores (AV222A)	2.E-01	2.E-04
Avian carnivores (AV310)	4.E-04	4.E-07
Northern goshawk	4.E-05	5.E-08
Peregrine falcon	3.E-04	3.E-07
Avian carnivores (AV322)	2.E-02	1.E-05
Bald eagle	1.E-05	1.E-08
Ferruginous hawk	5.E-05	5.E-08
Loggerhead shrike	2.E-02	2.E-05
Avian carnivores (AV322A)	2.E-03	2.E-06
Burrowing Owl	2.E-03	2.E-06
Avian omnivores (AV422)	7.E-03	6.E-06
Mammalian herbivores (M121)	1.E-06	2.E-05
Mammalian herbivores (M122)	8.E-04	2.E-02
Mammalian herbivores (M122A)	2.E-03	1.E-02
Pygmy rabbit	4.E-04	6.E-03
Mammalian herbivores (M123)	1.E-03	1.E-02
Mammalian insectivores (M210)	1.E-04	2.E-04
Mammalian insectivores (M210A)	6.E-04	1.E-03
Townsend's western big-eared bat	4.E-04	7.E-04
Small-footed myotis	6.E-04	1.E-03
Long-eared myotis	5.E-04	9.E-04
Mammalian insectivores (M222)	1.E-02	9.E-02
Mammalian carnivore (M322)	7.E-05	1.E-04
Mammalian omnivores (M422)	1.E-03	2.E-03
Mammalian omnivores (M422A)	2.E-05	3.E-05
Reptilian insectivores (R222)	NA	NA
Sagebrush lizard	NA	NA
Reptilian carnivores (R322)	NA	NA
Plants	9.E-01	6.E-01
Maximum hazard quotient	9.E-01	6.E-01

Concentrations	Cadmium	Copper	Lead	Selenium	Zinc
Concentration in surface soil	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Concentration in sub-surface soil	1.40E+01	2.50E+02	3.70E+01	6.00E-01	3.40E+02
Concentration used in ERA	1.40E+01	2.50E+02	3.70E+01	6.00E-01	3.40E+02
Water concentration (mg/L)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Size of Site	**1.00E-05**				
Dose (mg/kg-d)					
Functional groups	Cadmium	Copper	Lead	Selenium	Zinc
Amphibians (A232)	9.19E-06	1.64E-04	2.43E-05	3.94E-07	2.23E-04
Avian herbivores (AV121)	1.02E-06	1.33E-05	2.64E-07	2.73E-09	6.65E-05
Avian herbivores (AV122)	6.69E-06	9.21E-05	4.00E-06	5.61E-08	3.99E-04
Avian insectivores (AV210)	3.46E-06	5.63E-05	2.61E-06	1.35E-07	7.65E-05
Black tern	6.77E-07	1.12E-05	7.90E-07	2.70E-08	1.53E-05
Avian insectivores (AV210A)	1.11E-05	1.81E-04	8.60E-06	4.34E-07	2.46E-04
Avian insectivores (AV221)	2.30E-04	3.74E-03	1.78E-04	8.99E-06	5.09E-03
Avian insectivores (AV222)	1.13E-04	1.85E-03	1.00E-04	4.45E-06	2.52E-03
Avian insectivores (AV222A)	6.82E-05	1.12E-03	6.03E-05	2.68E-06	1.52E-03
Avian carnivores (AV310)	1.40E-07	2.87E-07	1.19E-07	1.42E-10	1.27E-06
Northern goshawk	1.77E-08	3.62E-08	1.51E-08	1.79E-11	1.61E-07
Peregrine falcon	1.26E-07	2.58E-07	1.08E-07	1.28E-10	1.15E-06
Avian carnivores (AV322)	5.13E-06	1.05E-05	4.38E-06	5.19E-09	4.67E-05
Bald eagle	4.50E-09	9.23E-09	3.85E-09	4.57E-12	4.10E-08
Ferruginous hawk	1.72E-08	3.53E-08	1.47E-08	1.74E-11	1.57E-07
Loggerhead shrike	6.56E-06	1.34E-05	5.60E-06	6.65E-09	5.98E-05
Avian carnivores (AV322A)	7.31E-07	1.56E-06	6.31E-07	9.07E-10	6.72E-06
Burrowing Owl	7.31E-07	1.56E-06	6.31E-07	9.07E-10	6.72E-06
Avian omnivores (AV422)	2.57E-06	2.65E-05	2.27E-06	5.56E-08	4.94E-05
Mammalian herbivores (M121)	9.63E-08	1.27E-06	2.92E-08	3.29E-10	6.24E-06
Mammalian herbivores (M122)	1.06E-04	1.43E-03	5.07E-05	6.76E-07	6.51E-03
Mammalian herbivores (M122A)	7.42E-05	1.01E-03	3.98E-05	5.45E-07	4.51E-03
Pygmy rabbit	3.13E-05	4.12E-04	9.50E-06	1.07E-07	2.03E-03
Mammalian herbivores (M123)	6.94E-05	9.45E-04	3.72E-05	5.09E-07	4.21E-03
Mammalian insectivores (M210)	3.76E-06	6.11E-05	2.84E-06	1.47E-07	8.31E-05
Mammalian insectivores (M210A)	1.98E-05	3.22E-04	1.50E-05	7.73E-07	4.38E-04
Townsend's western big-eared bat	1.39E-05	2.25E-04	1.02E-05	5.41E-07	3.07E-04
Small-footed myotis	1.98E-05	3.21E-04	1.46E-05	7.71E-07	4.37E-04
Long-eared myotis	1.71E-05	2.78E-04	1.29E-05	6.67E-07	3.78E-04
Mammalian insectivores (M222)	3.43E-04	5.59E-03	2.62E-04	1.34E-05	7.60E-03
Mammalian carnivore (M322)	1.84E-06	4.70E-06	1.68E-06	4.32E-09	1.77E-05
Mammalian omnivores (M422)	5.86E-05	5.86E-04	5.37E-05	1.35E-06	8.90E-04
Mammalian omnivores (M422A)	8.08E-07	8.07E-06	7.40E-07	1.86E-08	1.23E-05
Reptilian insectivores (R222)	1.11E-05	1.81E-04	8.48E-06	4.34E-07	2.46E-04
Sagebrush lizard	1.11E-05	1.81E-04	8.48E-06	4.34E-07	2.46E-04
Reptilian carnivores (R322)	3.93E-05	9.01E-05	3.46E-05	6.51E-08	3.67E-04
Plants	1.40E+01	2.50E+02	3.70E+01	6.00E-01	3.40E+02

Hazard Quotient (unitless)

Functional groups	Cadmium	Copper	Lead	Selenium	Zinc
Amphibians (A232)	NA	NA	NA	NA	NA
Avian herbivores (AV121)	6.E-05	3.E-06	9.E-06	2.E-08	5.E-06
Avian herbivores (AV122)	4.E-04	2.E-05	1.E-04	4.E-07	3.E-05
Avian insectivores (AV210)	3.E-04	1.E-05	7.E-05	2.E-06	4.E-05
Black tern	6.E-05	3.E-06	3.E-05	3.E-07	8.E-06
Avian insectivores (AV210A)	9.E-04	5.E-05	1.E-04	5.E-06	1.E-04
Avian insectivores (AV221)	2.E-02	1.E-03	4.E-03	1.E-04	3.E-03
Avian insectivores (AV222)	9.E-03	5.E-04	3.E-03	5.E-05	1.E-03
Avian insectivores (AV222A)	6.E-03	3.E-04	2.E-03	3.E-05	8.E-04
Avian carnivores (AV310)	1.E-05	7.E-08	4.E-06	2.E-09	6.E-07
Northern goshawk	1.E-06	9.E-09	4.E-07	2.E-10	8.E-08
Peregrine falcon	1.E-05	7.E-08	3.E-06	2.E-09	6.E-07
Avian carnivores (AV322)	4.E-04	3.E-06	1.E-04	7.E-08	2.E-05
Bald eagle	4.E-07	2.E-09	1.E-07	6.E-11	2.E-08
Ferruginous hawk	1.E-06	9.E-09	5.E-07	2.E-10	8.E-08
Loggerhead shrike	5.E-04	3.E-06	2.E-04	9.E-08	3.E-05
Avian carnivores (AV322A)	6.E-05	4.E-07	2.E-05	1.E-08	3.E-06
Burrowing Owl	6.E-05	4.E-07	2.E-05	1.E-08	3.E-06
Avian omnivores (AV422)	1.E-05	5.E-06	8.E-05	2.E-06	2.E-05
Mammalian herbivores (M121)	1.E-04	2.E-06	1.E-08	1.E-08	1.E-06
Mammalian herbivores (M122)	1.E-01	2.E-03	2.E-05	3.E-05	2.E-03
Mammalian herbivores (M122A)	9.E-02	2.E-03	1.E-05	2.E-05	1.E-03
Pygmy rabbit	4.E-02	6.E-04	4.E-06	4.E-06	5.E-04
Mammalian herbivores (M123)	9.E-02	1.E-03	1.E-05	2.E-05	1.E-03
Mammalian insectivores (M210)	5.E-03	9.E-05	1.E-06	6.E-06	2.E-05
Mammalian insectivores (M210A)	2.E-02	5.E-04	6.E-06	3.E-05	1.E-04
Townsend's western big-eared bat	2.E-02	3.E-04	4.E-06	2.E-05	7.E-05
Small-footed myotis	2.E-02	5.E-04	5.E-06	3.E-05	1.E-04
Long-eared myotis	2.E-02	4.E-04	5.E-06	3.E-05	9.E-05
Mammalian insectivores (M222)	4.E-01	9.E-03	1.E-04	5.E-04	2.E-03
Mammalian carnivore (M322)	2.E-03	2.E-06	6.E-07	2.E-07	5.E-07
Mammalian omnivores (M422)	6.E-02	9.E-04	1.E-05	4.E-05	1.E-04
Mammalian omnivores (M422A)	8.E-04	1.E-05	2.E-07	5.E-07	2.E-06
Reptilian insectivores (R222)	NA	NA	NA	NA	NA
Sagebrush lizard	NA	NA	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA	NA	NA
Plants	5.E+00	3.E+00	7.E-01	NA	7.E+00
Maximum hazard quotient	5.E+00	3.E+00	7.E-01	5.E-04	7.E+00

K-4. DATA TABLES

Table K-4-1. Data summary for analytes at CFA-01 (Meyer et al. 1992 and Trippet et al. 1995).

Analyte	Maximum Surface Soil Sample Concentrations (0.0 to 0.5 ft)	Maximum Subsurface Soil Sample Concentrations (0.5 to 2.0 ft)
Inorganic Analyte		
Aluminum	7,870 mg/kg	7,210 mg/kg
Antimony	1.5 mg/kg	1.5 mg/kg
Arsenic	6.8 mg/kg	5.3 mg/kg
Barium	215 mg/kg	191 mg/kg
Beryllium	2.5 mg/kg	1.7 mg/kg
Cadmium	ND	ND
Calcium	37,100 mg/kg	37,900 mg/kg
Chromium	27.1 mg/kg[a]	52.3 mg/kg[a]
Cobalt	9.7 mg/kg	7.7 mg/kg
Copper	35.7 mg/kg	73.4 mg/kg[a]
Iron	16,000 mg/kg	14,100 mg/kg
Lead	96.5 mg/kg	71.8 mg/kg
Magnesium	8,560 mg/kg	7,430 mg/kg
Manganese	399 mg/kg	271 mg/kg
Mercury	0.06 mg/kg	ND
Nickel	25.0 mg/kg	43.0 mg/kg[a]
Potassium	2,620 mg/kg[a]	1,900 mg/kg
Silver	1.5 mg/kg[a]	19.5 mg/kg
Sodium	153 mg/kg	260 mg/kg
Thallium	0.42 mg/kg	0.41 mg/kg
Vanadium	25.0 mg/kg	30.2mg/kg
Zinc	148 mg/kg	230 mg/kg
Cesium-137	0.82 pCi/g	0.88 pCi/g
Cobalt-60	ND	0.10 pCi/g
Organic Analyte		
Naphthalene	N/A	38 mg/kg
Fluroanthrene	N/A	100 mg/kg
Pyrene	N/A	440 mg/kg

Table K-4-1. (continued).

Analyte	Maximum Surface Soil Sample Concentrations (0.0 to 0.5 ft)	Maximum Subsurface Soil Sample Concentrations (0.5 to 2.0 ft)
Benzo(a)anthracene	N/A	140 mg/kg
Chrysene	N/A	450 mg/kg
Benzo(b)fluroranthene	N/A	210 mg/kg
Benzo(k)fluranthene	N/A	210 mg/kg
Benzo(a)pyrene	N/A	890 mg/kg
Inden(1,2,3-cel)pyrene	N/A	83 mg/kg
Benzo(g,h,i)perylene	N/A	160 mg/kg

a. Maximum concentration reported from a field duplicate sample.

N/A = Data not available.

ND = Not detected.

Table K-4-2. Maximum concentrations of samples taken from 0 to 10 ft depth inorganic compounds detected (mg/kg) in CFA landfills II (CFA-02) and III (CFA-03) cover soils (Keck et al. 1995).

Inorganic	CFA Landfill II (CFA-02)	CFA Landfill III (CFA-03)
Aluminum	3,020–13,900	4,380–7,860
Antimony	ND–5.1	ND
Arsenic	2.0B17.2	1.9–8.1
Barium	57.1B269	105–175
Beryllium	ND–1.5	ND–1.1
Calcium	8,420–100,000	12,900–35.500
Cadmium	ND–2.6	ND–1.3
Chromium	10.2–21.9	10.9–16.1
Cobalt	3.5–9.9	5.1–8.8
Copper	ND–30.2	11.2–15.3
Cyanide	B[a]	ND
Iron	6,440–20,700	8,530–13,500
Lead	5.0–25.5	ND–17.3
Magnesium	2,400–7,220	3,690–6.730
Manganese	108–499	188–322
Mercury	ND–0.19	ND
Nickel	11.6–29.6	15.2–23.8
Potassium	604–3,500	1,130–2,060
Sodium	41.4–313	66.7–243
Selenium	ND	ND–0.49
Silver	ND	ND–0.93
Thallium	ND	ND
Vanadium	9.5–37.5	16.5–33.4
Zinc	34.2–107	54.2–103

ND = No detect

a. No information available.

Table K-4-3. Maximum concentration from samples taken 0-10 ft of organic compounds detected (mg/kg) in CFA Landfills II (CFA-02) and III (CFA-03) cover soils (Keck et al. 1995).

	CFA Landfill II (CFA-02)	CFA Landfill III (CFA-03)
1,1,1-Trichloroethane	1.0 E-03	ND
2-Butanone	3.3E+00	ND
2-Hexanone	4.5E-02	ND
2-Methylnapthalene	4.7E-02	ND
2-Methyl-2pentanone	1.7E-02	ND
Acenaphthene	9.6E-02	ND
Acetone	5.8E+00	ND
Anthracene	2.1E-01	ND
Benzene	5.5E+00	ND
Benzo(a)anthracene	6.1E-01	ND
Benzo(a)pyrene	5.9E-01	ND
Benzo(b)fluroranthene	8.9E-01	ND
Benzo(g,h,I)perylene	5.2E-01	ND
Benzo(k)fluoranthene	1.2E+00	ND
Bis(2-ethyl-hexyl)-phthalate	1.3E+00	3.6E-02
Butylbene-phthalate	8.8E-02	ND
Carbon disulfide	4.0E-03	ND
Chrysene	9.2E-01	ND
Dibenz(a,h)anthracene	3.8E-01	ND
Dibenzotaran	3.9E-02	ND
Di-n-butyl-phthalate	8.4E-02	ND
Ethylbenzene	1.7E-02	ND
Fluoranthene	1.2E+00	ND
Fluorene	7.9E-02	ND
Indeno(1,2,3 cd)pyrene	6.5E-01	ND
Methylene choride	7.4E-02	ND
Naphthalene	1.5E-01	ND
Pentachlorophenol	7.4E-02	ND
Phenanthrene	1.3E+00	ND
Pyrene	2.3E+00	ND
Tetrachloroethylene	7.0E-03	ND
Toluene	5.1E-02	ND
Xylene	9.9E-02	ND

Table K-4-4. Data for CFA-21.

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags		Matrix	Type Location
UF00001T1	CFA-21	BTEX	Benzene	1		ug/kg	U		Soil	OU4-03/UST
UF00101T1	CFA-21	BTEX	Benzene	1		ug/kg	U		Soil	OU4-03/UST
UF00201T1	CFA-21	BTEX	Benzene	1		ug/kg	U		Soil	OU4-03/UST
UF00202T1	CFA-21	BTEX	Benzene	1		ug/kg	U		Soil	OU4-03/UST
UF00301T1	CFA-21	BTEX	Benzene	1		ug/kg	U		Soil	OU4-03/UST
UF00401T1	CFA-21	BTEX	Benzene	1		ug/kg	U		Soil	OU4-03/UST
UF00001T1	CFA-21	BTEX	Ethylbenzene	1		ug/kg	U		Soil	OU4-03/UST
UF00101T1	CFA-21	BTEX	Ethylbenzene	1		ug/kg	U		Soil	OU4-03/UST
UF00201T1	CFA-21	BTEX	Ethylbenzene	1		ug/kg	U		Soil	OU4-03/UST
UF00202T1	CFA-21	BTEX	Ethylbenzene	1		ug/kg	U		Soil	OU4-03/UST
UF00301T1	CFA-21	BTEX	Ethylbenzene	1		ug/kg	U		Soil	OU4-03/UST
UF00401T1	CFA-21	BTEX	Ethylbenzene	1		ug/kg	U		Soil	OU4-03/UST
UF00001T1	CFA-21	BTEX	Toluene	1		ug/kg	U		Soil	OU4-03/UST
UF00101T1	CFA-21	BTEX	Toluene	1		ug/kg	U		Soil	OU4-03/UST
UF00201T1	CFA-21	BTEX	Toluene	1		ug/kg	U		Soil	OU4-03/UST
UF00202T1	CFA-21	BTEX	Toluene	1		ug/kg	U		Soil	OU4-03/UST
UF00301T1	CFA-21	BTEX	Toluene	1		ug/kg	U		Soil	OU4-03/UST
UF00401T1	CFA-21	BTEX	Toluene	1		ug/kg	U		Soil	OU4-03/UST
UF00001T1	CFA-21	BTEX	Xylene (total)	1		ug/kg	U		Soil	OU4-03/UST
UF00101T1	CFA-21	BTEX	Xylene (total)	1		ug/kg	U		Soil	OU4-03/UST
UF00201T1	CFA-21	BTEX	Xylene (total)	1		ug/kg	U		Soil	OU4-03/UST
UF00202T1	CFA-21	BTEX	Xylene (total)	1		ug/kg	U		Soil	OU4-03/UST
UF00301T1	CFA-21	BTEX	Xylene (total)	1		ug/kg	U		Soil	OU4-03/UST
UF00401T1	CFA-21	BTEX	Xylene (total)	1		ug/kg	U		Soil	OU4-03/UST
UF00701T1	CFA-21	INORGXTCLP	Arsenic	40		ug/L	U	P	Solid	OU4-03/UST
UF00701T1	CFA-21	INORGXTCLP	Barium	12.1		ug/L		P	Solid	OU4-03/UST
UF00701T1	CFA-21	INORGXTCLP	Cadmium	3.5		ug/L		P	Solid	OU4-03/UST

Table K-4-4. (continued).

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags		Matrix	Type Location
UF00701T1	CFA-21	INORGXTCLP	Chromium	4		ug/L	U	P	Solid	OU4-03/UST
UF00701T1	CFA-21	INORGXTCLP	Lead	30		ug/L	U	P	Solid	OU4-03/UST
UF00701T1	CFA-21	INORGXTCLP	Mercury	2		ug/L	U	CV	Solid	OU4-03/UST
UF00701T1	CFA-21	INORGXTCLP	Selenium	54		ug/L	U	P	Solid	OU4-03/UST
UF00701T1	CFA-21	INORGXTCLP	Silver	5		ug/L	U	P	Solid	OU4-03/UST
UF00701T1	CFA-21	SEMISXTCLP	1,4-Dichlorobenzene	10		ug/L	U		Solid	OU4-03/UST
UF00701T1	CFA-21	SEMISXTCLP	2,4,5-Trichlorophenol	10		ug/L	U		Solid	OU4-03/UST
UF00701T1	CFA-21	SEMISXTCLP	2,4,6-Trichlorophenol	10		ug/L	U		Solid	OU4-03/UST
UF00701T1	CFA-21	SEMISXTCLP	2,4-Dinitrotoluene	10		ug/L	U		Solid	OU4-03/UST
UF00701T1	CFA-21	SEMISXTCLP	2-Methylphenol	10		ug/L	U		Solid	OU4-03/UST
UF00701T1	CFA-21	SEMISXTCLP	3-Methylphenol	10		ug/L	U		Solid	OU4-03/UST
UF00701T1	CFA-21	SEMISXTCLP	4-Methylphenol	10		ug/L	U		Solid	OU4-03/UST
UF00701T1	CFA-21	SEMISXTCLP	Hexachlorobenzene	10		ug/L	U		Solid	OU4-03/UST
UF00701T1	CFA-21	SEMISXTCLP	Hexachlorobutadiene	10		ug/L	U		Solid	OU4-03/UST
UF00701T1	CFA-21	SEMISXTCLP	Hexachloroethane	10		ug/L	U		Solid	OU4-03/UST
UF00701T1	CFA-21	SEMISXTCLP	Nitrobenzene	10		ug/L	U		Solid	OU4-03/UST
UF00701T1	CFA-21	SEMISXTCLP	Pentachlorophenol	50		ug/L	U		Solid	OU4-03/UST
UF00701T1	CFA-21	SEMISXTCLP	Pyridine	10		ug/L	U		Solid	OU4-03/UST
UF00001T1	CFA-21	TPH	TPHXDiesel Fuel	10		ug/mg	U		Soil	OU4-03/UST
UF00001T1	CFA-21	TPH	TPHXDiesel Fuel	10		ug/g	U		Soil	OU4-03/UST
UF00101T1	CFA-21	TPH	TPHXDiesel Fuel	600		ug/mg			Soil	OU4-03/UST
UF00101T1	CFA-21	TPH	TPHXDiesel Fuel	600		ug/g			Soil	OU4-03/UST
UF00201T1	CFA-21	TPH	TPHXDiesel Fuel	54000		ug/mg			Soil	OU4-03/UST
UF00201T1	CFA-21	TPH	TPHXDiesel Fuel	54000		ug/g			Soil	OU4-03/UST
UF00202T1	CFA-21	TPH	TPHXDiesel Fuel	20000		ug/mg			Soil	OU4-03/UST
UF00202T1	CFA-21	TPH	TPHXDiesel Fuel	20000		ug/g			Soil	OU4-03/UST
UF00301T1	CFA-21	TPH	TPHXDiesel Fuel	600		ug/mg			Soil	OU4-03/UST

Table K-4-4. (continued).

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	Type Location
UF00301T1	CFA-21	TPH	TPHXDiesel Fuel	600		ug/g		Soil	OU4-03/UST
UF00401T1	CFA-21	TPH	TPHXDiesel Fuel	10		ug/mg	U	Soil	OU4-03/UST
UF00401T1	CFA-21	TPH	TPHXDiesel Fuel	10		ug/g	U	Soil	OU4-03/UST
UF00001T1	CFA-21	TPH	TPHXGasoline	5		ug/mg	U	Soil	OU4-03/UST
UF00001T1	CFA-21	TPH	TPHXGasoline	5		ug/g	U	Soil	OU4-03/UST
UF00101T1	CFA-21	TPH	TPHXGasoline	5		ug/mg	U	Soil	OU4-03/UST
UF00101T1	CFA-21	TPH	TPHXGasoline	5		ug/g	U	Soil	OU4-03/UST
UF00201T1	CFA-21	TPH	TPHXGasoline	5		ug/mg	U	Soil	OU4-03/UST
UF00201T1	CFA-21	TPH	TPHXGasoline	5		ug/g	U	Soil	OU4-03/UST
UF00202T1	CFA-21	TPH	TPHXGasoline	5		ug/mg	U	Soil	OU4-03/UST
UF00202T1	CFA-21	TPH	TPHXGasoline	5		ug/g	U	Soil	OU4-03/UST
UF00301T1	CFA-21	TPH	TPHXGasoline	5		ug/mg	U	Soil	OU4-03/UST
UF00301T1	CFA-21	TPH	TPHXGasoline	5		ug/g	U	Soil	OU4-03/UST
UF00401T1	CFA-21	TPH	TPHXGasoline	5		ug/mg	U	Soil	OU4-03/UST
UF00401T1	CFA-21	TPH	TPHXGasoline	5		ug/g	U	Soil	OU4-03/UST
UF00701T1	CFA-21	VOASXTCLP	1,1-Dichloroethene	5		ug/L	U	Solid	OU4-03/UST
UF00701T1	CFA-21	VOASXTCLP	1,2-Dichloroethane	5		ug/L	U	Solid	OU4-03/UST
UF00701T1	CFA-21	VOASX TCLP	2-Butanone	100		ug/L	U	Solid	OU4-03/UST
UF00701T1	CFA-21	VOASXTCLP	Benzene	5		ug/L	U	Solid	OU4-03/UST
UF00701T1	CFA-21	VOASXTCLP	Carbon Tetrachloride	5		ug/L	U	Solid	OU4-03/UST
UF00701T1	CFA-21	VOASXTCLP	Chlorobenzene	5		ug/L	U	Solid	OU4-03/UST
UF00701T1	CFA-21	VOASXTCLP	Chloroform	5		ug/L	U	Solid	OU4-03/UST
UF00701T1	CFA-21	VOASXTCLP	Tetrachloroethene	5		ug/L	U	Solid	OU4-03/UST
UF00701T1	CFA-21	VOASXTCLP	Trichloroethene	5		ug/L	U	Solid	OU4-03/UST
UF00701T1	CFA-21	VOASXTCLP	Vinyl Chloride	10		ug/L	U	Solid	OU4-03/UST

Table K-4-5. Data for CFA-23.

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	Type Location	Location
UC12001T1	CFA-23	BTEX	Benzene	0.005		ug/g	U	Soil	OU4-03/UST	CFA641
UC12101T1	CFA-23	BTEX	Benzene	0.005		ug/g	U	Soil	OU4-03/UST	CFA641
UC12201T1	CFA-23	BTEX	Benzene	0.005		ug/g	U	Soil	OU4-03/UST	CFA641
UC12202T1	CFA-23	BTEX	Benzene	0.005		ug/g	U	Soil	OU4-03/UST	CFA641
UC12301T1	CFA-23	BTEX	Benzene	0.005		ug/g	U	Soil	OU4-03/UST	CFA641
UC12401T1	CFA-23	BTEX	Benzene	0.005		ug/g	U	Soil	OU4-03/UST	CFA641
UC14001T2	CFA-23	BTEX	Benzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA641U
UC14101T2	CFA-23	BTEX	Benzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA641U
UC14201T2	CFA-23	BTEX	Benzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA641U
UC14202T2	CFA-23	BTEX	Benzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA641U
UC14301T2	CFA-23	BTEX	Benzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA641U
UC14401T2	CFA-23	BTEX	Benzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA641U
UC12001T1	CFA-23	BTEX	Ethylbenzene	0.005		ug/g	U	Soil	OU4-03/UST	CFA641
UC12101T1	CFA-23	BTEX	Ethylbenzene	0.005		ug/g	U	Soil	OU4-03/UST	CFA641
UC12201T1	CFA-23	BTEX	Ethylbenzene	0.005		ug/g	U	Soil	OU4-03/UST	CFA641
UC12202T1	CFA-23	BTEX	Ethylbenzene	0.005		ug/g	U	Soil	OU4-03/UST	CFA641
UC12301T1	CFA-23	BTEX	Ethylbenzene	0.005		ug/g	U	Soil	OU4-03/UST	CFA641
UC12401T1	CFA-23	BTEX	Ethylbenzene	0.005		ug/g	U	Soil	OU4-03/UST	CFA641
UC14001T2	CFA-23	BTEX	Ethylbenzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA641U
UC14101T2	CFA-23	BTEX	Ethylbenzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA641U
UC14201T2	CFA-23	BTEX	Ethylbenzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA641U
UC14202T2	CFA-23	BTEX	Ethylbenzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA641U
UC14301T2	CFA-23	BTEX	Ethylbenzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA641U
UC14401T2	CFA-23	BTEX	Ethylbenzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA641U
UC12001T1	CFA-23	BTEX	Toluene	0.009		ug/g		Soil	OU4-03/UST	CFA641
UC12101T1	CFA-23	BTEX	Toluene	0.005		ug/g	U	Soil	OU4-03/UST	CFA641

Table K-4-5. (continued).

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	Type Location	Location
UC12201T1	CFA-23	BTEX	Toluene	0.005		Ug/g	U	Soil	OU4-03/UST	CFA641
UC12202T1	CFA-23	BTEX	Toluene	0.005		Ug/g	U	Soil	OU4-03/UST	CFA641
UC12301T1	CFA-23	BTEX	Toluene	0.005		Ug/g	U	Soil	OU4-03/UST	CFA641
UC12401T1	CFA-23	BTEX	Toluene	0.005		Ug/g	U	Soil	OU4-03/UST	CFA641
UC14001T2	CFA-23	BTEX	Toluene	0.05		ug/g	U	Soil	OU4-03/UST	CFA641U
UC14101T2	CFA-23	BTEX	Toluene	0.05		ug/g	U	Soil	OU4-03/UST	CFA641U
UC14201T2	CFA-23	BTEX	Toluene	0.05		ug/g	U	Soil	OU4-03/UST	CFA641U
UC14202T2	CFA-23	BTEX	Toluene	0.05		ug/g	U	Soil	OU4-03/UST	CFA641U
UC14301T2	CFA-23	BTEX	Toluene	0.05		ug/g	U	Soil	OU4-03/UST	CFA641U
UC14401T2	CFA-23	BTEX	Toluene	0.05		ug/g	U	Soil	OU4-03/UST	CFA641U
UC12001T1	CFA-23	BTEX	Xylene (total)	0.01		ug/g	U	Soil	OU4-03/UST	CFA641
UC12101T1	CFA-23	BTEX	Xylene (total)	0.01		ug/g	U	Soil	OU4-03/UST	CFA641
UC12201T1	CFA-23	BTEX	Xylene (total)	0.01		ug/g	U	Soil	OU4-03/UST	CFA641
UC12202T1	CFA-23	BTEX	Xylene (total)	0.01		ug/g	U	Soil	OU4-03/UST	CFA641
UC12301T1	CFA-23	BTEX	Xylene (total)	0.01		ug/g	U	Soil	OU4-03/UST	CFA641
UC12401T1	CFA-23	BTEX	Xylene (total)	0.01		ug/g	U	Soil	OU4-03/UST	CFA641
UC14001T2	CFA-23	BTEX	Xylene (total)	0.1		ug/g	U	Soil	OU4-03/UST	CFA641U
UC14101T2	CFA-23	BTEX	Xylene (total)	0.1		ug/g	U	Soil	OU4-03/UST	CFA641U
UC14201T2	CFA-23	BTEX	Xylene (total)	0.1		ug/g	U	Soil	OU4-03/UST	CFA641U
UC14202T2	CFA-23	BTEX	Xylene (total)	0.1		ug/g	U	Soil	OU4-03/UST	CFA641U
UC14301T2	CFA-23	BTEX	Xylene (total)	0.1		ug/g	U	Soil	OU4-03/UST	CFA641U
UC14401T2	CFA-23	BTEX	Xylene (total)	0.1		ug/g	U	Soil	OU4-03/UST	CFA641U
UC12001T1	CFA-23	TPH	TPHXFuel Oil	100		mg/kg		Soil	OU4-03/UST	CFA641
UC12101T1	CFA-23	TPH	TPHXFuel Oil	50		mg/kg		Soil	OU4-03/UST	CFA641
UC12201T1	CFA-23	TPH	TPHXFuel Oil	10		mg/kg		Soil	OU4-03/UST	CFA641
UC12202T1	CFA-23	TPH	TPHXFuel Oil	90		mg/kg		Soil	OU4-03/UST	CFA641

Table K-4-5. (continued).

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	Type Location	Location
UC12301T1	CFA-23	TPH	TPHXFuel Oil	90		mg/kg		Soil	OU4-03/UST	CFA641
UC12401T1	CFA-23	TPH	TPHXFuel Oil	40		mg/kg		Soil	OU4-03/UST	CFA641
UC14001T2	CFA-23	TPH	TPHXGasoline	10		ug/g	U	Soil	OU4-03/UST	CFA641U
UC14101T2	CFA-23	TPH	TPHXGasoline	10		ug/g	U	Soil	OU4-03/UST	CFA641U
UC14201T2	CFA-23	TPH	TPHXGasoline	10		ug/g	U	Soil	OU4-03/UST	CFA641U
UC14202T2	CFA-23	TPH	TPHXGasoline	10		ug/g	U	Soil	OU4-03/UST	CFA641U
UC14301T2	CFA-23	TPH	TPHXGasoline	10		ug/g	U	Soil	OU4-03/UST	CFA641U
UC14401T2	CFA-23	TPH	TPHXGasoline	10		ug/g	U	Soil	OU4-03/UST	CFA641U

Table K-4-6. Data for CFA-24.

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags		Matrix	Type Location
UF03001T1	CFA-24	BTEX	Benzene	1		ug/kg	U		Soil	OU4-03/UST
UF03101T1	CFA-24	BTEX	Benzene	1		ug/kg	U		Soil	OU4-03/UST
UF03201T1	CFA-24	BTEX	Benzene	1		ug/kg	U		Soil	OU4-03/UST
UF03202T1	CFA-24	BTEX	Benzene	1		ug/kg	U		Soil	OU4-03/UST
UF03301T1	CFA-24	BTEX	Benzene	1		ug/kg	U		Soil	OU4-03/UST
UF03401T1	CFA-24	BTEX	Benzene	1		ug/kg	U		Soil	OU4-03/UST
UF03001T1	CFA-24	BTEX	Ethylbenzene	1		ug/kg	U		Soil	OU4-03/UST
UF03101T1	CFA-24	BTEX	Ethylbenzene	1		ug/kg	U		Soil	OU4-03/UST
UF03201T1	CFA-24	BTEX	Ethylbenzene	1		ug/kg	U		Soil	OU4-03/UST
UF03202T1	CFA-24	BTEX	Ethylbenzene	1		ug/kg	U		Soil	OU4-03/UST
UF03301T1	CFA-24	BTEX	Ethylbenzene	1		ug/kg	U		Soil	OU4-03/UST
UF03401T1	CFA-24	BTEX	Ethylbenzene	1		ug/kg	U		Soil	OU4-03/UST
UF03001T1	CFA-24	BTEX	Toluene	1		ug/kg	U		Soil	OU4-03/UST
UF03101T1	CFA-24	BTEX	Toluene	1		ug/kg	U		Soil	OU4-03/UST
UF03201T1	CFA-24	BTEX	Toluene	1		ug/kg	U		Soil	OU4-03/UST
UF03202T1	CFA-24	BTEX	Toluene	1		ug/kg	U		Soil	OU4-03/UST
UF03301T1	CFA-24	BTEX	Toluene	1		ug/kg	U		Soil	OU4-03/UST
UF03401T1	CFA-24	BTEX	Toluene	1		ug/kg	U		Soil	OU4-03/UST
UF03001T1	CFA-24	BTEX	Xylene (total)	1		ug/kg	U		Soil	OU4-03/UST
UF03101T1	CFA-24	BTEX	Xylene (total)	1		ug/kg	U		Soil	OU4-03/UST
UF03201T1	CFA-24	BTEX	Xylene (total)	1		ug/kg	U		Soil	OU4-03/UST
UF03202T1	CFA-24	BTEX	Xylene (total)	1		ug/kg	U		Soil	OU4-03/UST
UF03301T1	CFA-24	BTEX	Xylene (total)	1		ug/kg	U		Soil	OU4-03/UST
UF03401T1	CFA-24	BTEX	Xylene (total)	1		ug/kg	U		Soil	OU4-03/UST
UF03701	CFA-24	INORGXTCLP	Arsenic	40		ug/L	U	P	Solid	OU4-03/UST
UF03701	CFA-24	INORGXTCLP	Barium	6		ug/L	U	P	Solid	OU4-03/UST

Table K-4-6. (continued).

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags		Matrix	Type Location
UF03701	CFA-24	INORGXTCLP	Cadmium	3		ug/L	U	P	Solid	OU4-03/UST
UF03701	CFA-24	INORGXTCLP	Chromium	4		ug/L	U	P	Solid	OU4-03/UST
UF03701	CFA-24	INORGXTCLP	Lead	41		ug/L		P	Solid	OU4-03/UST
UF03701	CFA-24	INORGXTCLP	Mercury	2		ug/L	U	CV	Solid	OU4-03/UST
UF03701	CFA-24	INORGXTCLP	Selenium	54		ug/L	U	P	Solid	OU4-03/UST
UF03701	CFA-24	INORGXTCLP	Silver	5		ug/L	U	P	Solid	OU4-03/UST
UF03001T1	CFA-24	TPH	TPHXDiesel Fuel	11		ug/mg	U		Soil	OU4-03/UST
UF03001T1	CFA-24	TPH	TPHXDiesel Fuel	11		ug/g	U		Soil	OU4-03/UST
UF03101T1	CFA-24	TPH	TPHXDiesel Fuel	11		ug/mg	U		Soil	OU4-03/UST
UF03101T1	CFA-24	TPH	TPHXDiesel Fuel	11		ug/g	U		Soil	OU4-03/UST
UF03201T1	CFA-24	TPH	TPHXDiesel Fuel	11		ug/mg	U		Soil	OU4-03/UST
UF03201T1	CFA-24	TPH	TPHXDiesel Fuel	11		ug/g	U		Soil	OU4-03/UST
UF03202T1	CFA-24	TPH	TPHXDiesel Fuel	11		ug/mg	U		Soil	OU4-03/UST
UF03202T1	CFA-24	TPH	TPHXDiesel Fuel	11		ug/g	U		Soil	OU4-03/UST
UF03301T1	CFA-24	TPH	TPHXDiesel Fuel	11		ug/mg	U		Soil	OU4-03/UST
UF03301T1	CFA-24	TPH	TPHXDiesel Fuel	11		ug/g	U		Soil	OU4-03/UST
UF03401T1	CFA-24	TPH	TPHXDiesel Fuel	26		ug/mg			Soil	OU4-03/UST
UF03401T1	CFA-24	TPH	TPHXDiesel Fuel	26		ug/g			Soil	OU4-03/UST
UF03001T1	CFA-24	TPH	TPHXGasoline	5		ug/mg	U		Soil	OU4-03/UST
UF03001T1	CFA-24	TPH	TPHXGasoline	5		ug/g	U		Soil	OU4-03/UST
UF03101T1	CFA-24	TPH	TPHXGasoline	5		ug/mg	U		Soil	OU4-03/UST
UF03101T1	CFA-24	TPH	TPHXGasoline	5		ug/g	U		Soil	OU4-03/UST
UF03201T1	CFA-24	TPH	TPHXGasoline	5		ug/mg	U		Soil	OU4-03/UST
UF03201T1	CFA-24	TPH	TPHXGasoline	5		ug/g	U		Soil	OU4-03/UST
UF03202T1	CFA-24	TPH	TPHXGasoline	5		ug/mg	U		Soil	OU4-03/UST

Table K-4-6. (continued).

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	Type Location
UF03202T1	CFA-24	TPH	TPHXGasoline	5		ug/g	U	Soil	OU4-03/UST
UF03301T1	CFA-24	TPH	TPHXGasoline	5		ug/mg	U	Soil	OU4-03/UST
UF03301T1	CFA-24	TPH	TPHXGasoline	5		ug/g	U	Soil	OU4-03/UST
UF03401T1	CFA-24	TPH	TPHXGasoline	5		ug/mg	U	Soil	OU4-03/UST
UF03401T1	CFA-24	TPH	TPHXGasoline	5		ug/g	U	Soil	OU4-03/UST

Table K-4-7. Data for CFA-25.

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	Type Location	Location
UC18001T1	CFA-25	BTEX	Benzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA656
UC18101T1	CFA-25	BTEX	Benzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA656
UC18201T1	CFA-25	BTEX	Benzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA656
UC18202T1	CFA-25	BTEX	Benzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA656
UC18301T1	CFA-25	BTEX	Benzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA656
UC18401T1	CFA-25	BTEX	Benzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA656
UC18001T1	CFA-25	BTEX	Ethylbenzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA656
UC18101T1	CFA-25	BTEX	Ethylbenzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA656
UC18201T1	CFA-25	BTEX	Ethylbenzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA656
UC18202T1	CFA-25	BTEX	Ethylbenzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA656
UC18301T1	CFA-25	BTEX	Ethylbenzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA656
UC18401T1	CFA-25	BTEX	Ethylbenzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA656
UC18001T1	CFA-25	BTEX	Toluene	0.05		ug/g	U	Soil	OU4-03/UST	CFA656
UC18101T1	CFA-25	BTEX	Toluene	0.05		ug/g	U	Soil	OU4-03/UST	CFA656
UC18201T1	CFA-25	BTEX	Toluene	0.05		ug/g	U	Soil	OU4-03/UST	CFA656
UC18202T1	CFA-25	BTEX	Toluene	0.05		ug/g	U	Soil	OU4-03/UST	CFA656
UC18301T1	CFA-25	BTEX	Toluene	0.05		ug/g	U	Soil	OU4-03/UST	CFA656
UC18401T1	CFA-25	BTEX	Toluene	0.05		ug/g	U	Soil	OU4-03/UST	CFA656
UC18001T1	CFA-25	BTEX	Xylene (total)	0.1		ug/g	U	Soil	OU4-03/UST	CFA656
UC18101T1	CFA-25	BTEX	Xylene (total)	0.1		ug/g	U	Soil	OU4-03/UST	CFA656
UC18201T1	CFA-25	BTEX	Xylene (total)	0.1		ug/g	U	Soil	OU4-03/UST	CFA656
UC18202T1	CFA-25	BTEX	Xylene (total)	0.1		ug/g	U	Soil	OU4-03/UST	CFA656
UC18301T1	CFA-25	BTEX	Xylene (total)	0.1		ug/g	U	Soil	OU4-03/UST	CFA656
UC18401T1	CFA-25	BTEX	Xylene (total)	0.1		ug/g	U	Soil	OU4-03/UST	CFA656
UC18001T1	CFA-25	TPH	TPHXDiesel Fuel	0.01		mg/g	U	Soil	OU4-03/UST	CFA656
UC18101T1	CFA-25	TPH	TPHXDiesel Fuel	0.01		mg/g	U	Soil	OU4-03/UST	CFA656

Table K-4-7. (continued).

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	Type Location	Location
UC18201T1	CFA-25	TPH	TPHXDiesel Fuel	0.01		mg/g	U	Soil	OU4-03/UST	CFA656
UC18202T1	CFA-25	TPH	TPHXDiesel Fuel	0.01		mg/g	U	Soil	OU4-03/UST	CFA656
UC18301T1	CFA-25	TPH	TPHXDiesel Fuel	0.01		mg/g	U	Soil	OU4-03/UST	CFA656
UC18401T1	CFA-25	TPH	TPHXDiesel Fuel	0.02		mg/g		Soil	OU4-03/UST	CFA656

Table K-4-8. Data for CFA-26.

Sample Number	Analysis Type	Compound Name	Concentration	Units	Q Flags	Matrix	Type Location	Location	Depth Range
426B0101OS	SEMISXCLP	1,2,4-Trichlorobenzene	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMISXCLP	1,2,4-Trichlorobenzene	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMISXCLP	1,2,4-Trichlorobenzene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMISXCLP	1,2,4-Trichlorobenzene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMISXCLP	1,2,4-Trichlorobenzene	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMISXCLP	1,2,4-Trichlorobenzene	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMISXCLP	1,2,4-Trichlorobenzene	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMISXCLP	1,2-Dichlorobenzene	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMISXCLP	1,2-Dichlorobenzene	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMISXCLP	1,2-Dichlorobenzene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMISXCLP	1,2-Dichlorobenzene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMISXCLP	1,2-Dichlorobenzene	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMISXCLP	1,2-Dichlorobenzene	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMISXCLP	1,2-Dichlorobenzene	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMISXCLP	1,3-Dichlorobenzene	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMISXCLP	1,3-Dichlorobenzene	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMISXCLP	1,3-Dichlorobenzene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMISXCLP	1,3-Dichlorobenzene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMISXCLP	1,3-Dichlorobenzene	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMISXCLP	1,3-Dichlorobenzene	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMISXCLP	1,3-Dichlorobenzene	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMISXCLP	1,4-Dichlorobenzene	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMISXCLP	1,4-Dichlorobenzene	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58

Table K-4-8. (continued).

Sample Number	Analysis Type	Compound Name	Concentration	Units	Q Flags	Matrix	Type Location	Location	Depth Range
426B0301OS	SEMISXCLP	1,4-Dichlorobenzene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0302OS	SEMISXCLP	1,4-Dichlorobenzene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0401OS	SEMISXCLP	1,4-Dichlorobenzene	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMISXCLP	1,4-Dichlorobenzene	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.2 5
426R0101OS	SEMISXCLP	1,4-Dichlorobenzene	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMISXCLP	2,4,5-Trichlorophenol	980	ug/kg	U	Solid	Borehole	Boring #1	5-6.5
426B0201OS	SEMISXCLP	2,4,5-Trichlorophenol	1000	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.5
426B0301OS	SEMISXCLP	2,4,5-Trichlorophenol	1100	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0302OS	SEMISXCLP	2,4,5-Trichlorophenol	1100	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0401OS	SEMISXCLP	2,4,5-Trichlorophenol	1000	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMISXCLP	2,4,5-Trichlorophenol	30000	ug/kg	U	Solid	Borehole	Boring #5	10B11.2 5
426R0101OS	SEMISXCLP	2,4,5-Trichlorophenol	25	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMISXCLP	2,4,6-Trichlorophenol	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMISXCLP	2,4,6-Trichlorophenol	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.5
426B0301OS	SEMISXCLP	2,4,6-Trichlorophenol	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0302OS	SEMISXCLP	2,4,6-Trichlorophenol	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0401OS	SEMISXCLP	2,4,6-Trichlorophenol	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMISXCLP	2,4,6-Trichlorophenol	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.2 5
426R0101OS	SEMISXCLP	2,4,6-Trichlorophenol	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMISXCLP	2,4-Dichlorophenol	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMISXCLP	2,4-Dichlorophenol	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.5
426B0301OS	SEMISXCLP	2,4-Dichlorophenol	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0302OS	SEMISXCLP	2,4-Dichlorophenol	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.1

Table K-4-8. (continued).

Sample Number	Analysis Type	Compound Name	Concentration	Units	Q Flags	Matrix	Type Location	Location	Depth Range
426B0401OS	SEMISXCLP	2,4-Dichlorophenol	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMISXCLP	2,4-Dichlorophenol	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMISXCLP	2,4-Dichlorophenol	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMISXCLP	2,4-Dimethylphenol	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMISXCLP	2,4-Dimethylphenol	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMISXCLP	2,4-Dimethylphenol	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMISXCLP	2,4-Dimethylphenol	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMISXCLP	2,4-Dimethylphenol	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMISXCLP	2,4-Dimethylphenol	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMISXCLP	2,4-Dimethylphenol	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMISXCLP	2,4-Dinitrophenol	980	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMISXCLP	2,4-Dinitrophenol	1000	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMISXCLP	2,4-Dinitrophenol	1100	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMISXCLP	2,4-Dinitrophenol	1100	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMISXCLP	2,4-Dinitrophenol	1000	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMISXCLP	2,4-Dinitrophenol	30000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMISXCLP	2,4-Dinitrophenol	25	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMISXCLP	2,4-Dinitrotoluene	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMISXCLP	2,4-Dinitrotoluene	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMISXCLP	2,4-Dinitrotoluene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMISXCLP	2,4-Dinitrotoluene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMISXCLP	2,4-Dinitrotoluene	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMISXCLP	2,4-Dinitrotoluene	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25

Table K-4-8. (continued).

Sample Number	Analysis Type	Compound Name	Concentration	Units	Q Flags	Matrix	Type Location	Location	Depth Range
426R0101OS	SEMISXCLP	2,4-Dinitrotoluene	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMISXCLP	2,6-Dinitrotoluene	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMISXCLP	2,6-Dinitrotoluene	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.5
426B0301OS	SEMISXCLP	2,6-Dinitrotoluene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0302OS	SEMISXCLP	2,6-Dinitrotoluene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0401OS	SEMISXCLP	2,6-Dinitrotoluene	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMISXCLP	2,6-Dinitrotoluene	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.2 5
426R0101OS	SEMISXCLP	2,6-Dinitrotoluene	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMISXCLP	2-Chloronaphthalene	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMISXCLP	2-Chloronaphthalene	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.5
426B0301OS	SEMISXCLP	2-Chloronaphthalene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0302OS	SEMISXCLP	2-Chloronaphthalene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0401OS	SEMISXCLP	2-Chloronaphthalene	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMISXCLP	2-Chloronaphthalene	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.2 5
426R0101OS	SEMISXCLP	2-Chloronaphthalene	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMISXCLP	2-Chlorophenol	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMISXCLP	2-Chlorophenol	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.5
426B0301OS	SEMISXCLP	2-Chlorophenol	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0302OS	SEMISXCLP	2-Chlorophenol	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0401OS	SEMISXCLP	2-Chlorophenol	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMISXCLP	2-Chlorophenol	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.2 5
426R0101OS	SEMISXCLP	2-Chlorophenol	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMISXCLP	2-Methylnaphthalene	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5

Table K-4-8. (continued).

Sample Number	Analysis Type	Compound Name	Concentration	Units	Q Flags	Matrix	Type Location	Location	Depth Range
426B0201OS	SEMISXCLP	2-Methylnaphthalene	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMISXCLP	2-Methylnaphthalene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMISXCLP	2-Methylnaphthalene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMISXCLP	2-Methylnaphthalene	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMISXCLP	2-Methylnaphthalene	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMISXCLP	2-Methylnaphthalene	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMISXCLP	2-Methylphenol	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMISXCLP	2-Methylphenol	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMISXCLP	2-Methylphenol	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMISXCLP	2-Methylphenol	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMISXCLP	2-Methylphenol	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMISXCLP	2-Methylphenol	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMISXCLP	2-Methylphenol	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMISXCLP	2-Nitroaniline	980	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMISXCLP	2-Nitroaniline	1000	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMISXCLP	2-Nitroaniline	1100	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMISXCLP	2-Nitroaniline	1100	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMISXCLP	2-Nitroaniline	1000	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMISXCLP	2-Nitroaniline	30000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMISXCLP	2-Nitroaniline	25	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMISXCLP	2-Nitrophenol	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMISXCLP	2-Nitrophenol	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMISXCLP	2-Nitrophenol	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17

Table K-4-8. (continued).

Sample Number	Analysis Type	Compound Name	Concentration	Units	Q Flags	Matrix	Type Location	Location	Depth Range
426B0302OS	SEMISXCLP	2-Nitrophenol	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMISXCLP	2-Nitrophenol	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMISXCLP	2-Nitrophenol	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMISXCLP	2-Nitrophenol	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMISXCLP	3,3'-Dichlorobenzidine	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMISXCLP	3,3'-Dichlorobenzidine	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMISXCLP	3,3'-Dichlorobenzidine	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMISXCLP	3,3'-Dichlorobenzidine	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMISXCLP	3,3'-Dichlorobenzidine	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMISXCLP	3,3'-Dichlorobenzidine	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMISXCLP	3,3'-Dichlorobenzidine	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMISXCLP	3-Nitroaniline	980	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMISXCLP	3-Nitroaniline	1000	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMISXCLP	3-Nitroaniline	1100	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMISXCLP	3-Nitroaniline	1100	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMISXCLP	3-Nitroaniline	1000	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMISXCLP	3-Nitroaniline	30000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMISXCLP	3-Nitroaniline	25	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMISXCLP	4,6-Dinitro-2-methylphenol	980	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMISXCLP	4,6-Dinitro-2-methylphenol	1000	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMISXCLP	4,6-Dinitro-2-methylphenol	1100	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMISXCLP	4,6-Dinitro-2-methylphenol	1100	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMISXCLP	4,6-Dinitro-2-methylphenol	1000	ug/kg	U	Solid	Borehole	Boring #4	7.5B10

Table K-4-8. (continued).

Sample Number	Analysis Type	Compound Name	Concentration	Units	Q Flags	Matrix	Type Location	Location	Depth Range
426B0501OS	SEMISXCLP	4,6-Dinitro-2-methylphenol	30000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMISXCLP	4,6-Dinitro-2-methylphenol	25	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMISXCLP	4-Bromophenyl-phenylether	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMISXCLP	4-Bromophenyl-phenylether	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMISXCLP	4-Bromophenyl-phenylether	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMISXCLP	4-Bromophenyl-phenylether	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMISXCLP	4-Bromophenyl-phenylether	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMISXCLP	4-Bromophenyl-phenylether	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMISXCLP	4-Bromophenyl-phenylether	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMISXCLP	4-Chloro-3-methylphenol	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMISXCLP	4-Chloro-3-methylphenol	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMISXCLP	4-Chloro-3-methylphenol	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMISXCLP	4-Chloro-3-methylphenol	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMISXCLP	4-Chloro-3-methylphenol	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMISXCLP	4-Chloro-3-methylphenol	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMISXCLP	4-Chloro-3-methylphenol	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMISXCLP	4-Chloroaniline	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMISXCLP	4-Chloroaniline	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMIS—CLP	4-Chloroaniline	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMIS—CLP	4-Chloroaniline	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMIS—CLP	4-Chloroaniline	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	4-Chloroaniline	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMIS—CLP	4-Chloroaniline	10	ug/L	U	Water	Rinsate	QC	N/A

Table K-4-8. (continued).

Sample Number	Analysis Type	Compound Name	Concentration	Units	Q Flags	Matrix	Type Location	Location	Depth Range
426B0101OS	SEMIS—CLP	4-Chlorophenyl-phenylether	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMIS—CLP	4-Chlorophenyl-phenylether	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMIS—CLP	4-Chlorophenyl-phenylether	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMIS—CLP	4-Chlorophenyl-phenylether	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMIS—CLP	4-Chlorophenyl-phenylether	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	4-Chlorophenyl-phenylether	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMIS—CLP	4-Chlorophenyl-phenylether	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMIS—CLP	4-Methylphenol	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMIS—CLP	4-Methylphenol	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMIS—CLP	4-Methylphenol	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMIS—CLP	4-Methylphenol	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMIS—CLP	4-Methylphenol	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	4-Methylphenol	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMIS—CLP	4-Methylphenol	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMIS—CLP	4-Nitroaniline	980	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMIS—CLP	4-Nitroaniline	1000	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMIS—CLP	4-Nitroaniline	1100	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMIS—CLP	4-Nitroaniline	1100	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMIS—CLP	4-Nitroaniline	1000	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	4-Nitroaniline	30000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMIS—CLP	4-Nitroaniline	25	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMIS—CLP	4-Nitrophenol	980	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMIS—CLP	4-Nitrophenol	1000	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58

Table K-4-8. (continued).

Sample Number	Analysis Type	Compound Name	Concentration	Units	Q Flags	Matrix	Type Location	Location	Depth Range
426B0301OS	SEMIS—CLP	4-Nitrophenol	1100	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMIS—CLP	4-Nitrophenol	1100	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMIS—CLP	4-Nitrophenol	1000	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	4-Nitrophenol	30000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMIS—CLP	4-Nitrophenol	25	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMIS—CLP	Acenaphthene	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMIS—CLP	Acenaphthene	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMIS—CLP	Acenaphthene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMIS—CLP	Acenaphthene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMIS—CLP	Acenaphthene	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	Acenaphthene	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMIS—CLP	Acenaphthene	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMIS—CLP	Acenaphthylene	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMIS—CLP	Acenaphthylene	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMIS—CLP	Acenaphthylene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMIS—CLP	Acenaphthylene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMIS—CLP	Acenaphthylene	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	Acenaphthylene	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMIS—CLP	Acenaphthylene	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMIS—CLP	Anthracene	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMIS—CLP	Anthracene	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMIS—CLP	Anthracene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMIS—CLP	Anthracene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17

Table K-4-8. (continued).

Sample Number	Analysis Type	Compound Name	Concentration	Units	Q Flags	Matrix	Type Location	Location	Depth Range
426B0401OS	SEMIS—CLP	Anthracene	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	Anthracene	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMIS—CLP	Anthracene	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMIS—CLP	Benzo(a)anthracene	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMIS—CLP	Benzo(a)anthracene	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMIS—CLP	Benzo(a)anthracene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMIS—CLP	Benzo(a)anthracene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMIS—CLP	Benzo(a)anthracene	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	Benzo(a)anthracene	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMIS—CLP	Benzo(a)anthracene	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMIS—CLP	Benzo(a)pyrene	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMIS—CLP	Benzo(a)pyrene	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMIS—CLP	Benzo(a)pyrene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMIS—CLP	Benzo(a)pyrene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMIS—CLP	Benzo(a)pyrene	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	Benzo(a)pyrene	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMIS—CLP	Benzo(a)pyrene	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMIS—CLP	Benzo(b)fluoranthene	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMIS—CLP	Benzo(b)fluoranthene	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMIS—CLP	Benzo(b)fluoranthene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMIS—CLP	Benzo(b)fluoranthene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMIS—CLP	Benzo(b)fluoranthene	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	Benzo(b)fluoranthene	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25

Table K-4-8. (continued).

Sample Number	Analysis Type	Compound Name	Concentration	Units	Q Flags	Matrix	Type Location	Location	Depth Range
426R0101OS	SEMIS—CLP	Benzo(b)fluoranthene	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMIS—CLP	Benzo(g,h,i)perylene	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMIS—CLP	Benzo(g,h,i)perylene	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMIS—CLP	Benzo(g,h,i)perylene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMIS—CLP	Benzo(g,h,i)perylene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMIS—CLP	Benzo(g,h,i)perylene	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	Benzo(g,h,i)perylene	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMIS—CLP	Benzo(g,h,i)perylene	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMIS—CLP	Benzo(k)fluoranthene	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMIS—CLP	Benzo(k)fluoranthene	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMIS—CLP	Benzo(k)fluoranthene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMIS—CLP	Benzo(k)fluoranthene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMIS—CLP	Benzo(k)fluoranthene	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	Benzo(k)fluoranthene	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMIS—CLP	Benzo(k)fluoranthene	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMIS—CLP	Butylbenzylphthalate	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMIS—CLP	Butylbenzylphthalate	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMIS—CLP	Butylbenzylphthalate	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMIS—CLP	Butylbenzylphthalate	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMIS—CLP	Butylbenzylphthalate	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	Butylbenzylphthalate	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMIS—CLP	Butylbenzylphthalate	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMIS—CLP	Carbazole	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMIS—CLP	Carbazole	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58

Table K-4-8. (continued).

Sample Number	Analysis Type	Compound Name	Concentration	Units	Q Flags	Matrix	Type Location	Location	Depth Range
426B0301OS	SEMIS—CLP	Carbazole	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMIS—CLP	Carbazole	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMIS—CLP	Carbazole	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	Carbazole	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMIS—CLP	Carbazole	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMIS—CLP	Chrysene	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMIS—CLP	Chrysene	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMIS—CLP	Chrysene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMIS—CLP	Chrysene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMIS—CLP	Chrysene	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	Chrysene	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMIS—CLP	Chrysene	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMIS—CLP	Di-n-butylphthalate	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMIS—CLP	Di-n-butylphthalate	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMIS—CLP	Di-n-butylphthalate	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMIS—CLP	Di-n-butylphthalate	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMIS—CLP	Di-n-butylphthalate	490	ug/kg		Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	Di-n-butylphthalate	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMIS—CLP	Di-n-butylphthalate	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMIS—CLP	Di-n-octylphthalate	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMIS—CLP	Di-n-octylphthalate	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMIS—CLP	Di-n-octylphthalate	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMIS—CLP	Di-n-octylphthalate	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17

Table K-4-8. (continued).

Sample Number	Analysis Type	Compound Name	Concentration	Units	Q Flags	Matrix	Type Location	Location	Depth Range
426B0401OS	SEMIS—CLP	Di-n-octylphthalate	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	Di-n-octylphthalate	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMIS—CLP	Di-n-octylphthalate	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMIS—CLP	Dibenz(a,h)anthracene	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMIS—CLP	Dibenz(a,h)anthracene	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMIS—CLP	Dibenz(a,h)anthracene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMIS—CLP	Dibenz(a,h)anthracene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMIS—CLP	Dibenz(a,h)anthracene	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	Dibenz(a,h)anthracene	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMIS—CLP	Dibenz(a,h)anthracene	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMIS—CLP	Dibenzofuran	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMIS—CLP	Dibenzofuran	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMIS—CLP	Dibenzofuran	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMIS—CLP	Dibenzofuran	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMIS—CLP	Dibenzofuran	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	Dibenzofuran	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMIS—CLP	Dibenzofuran	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMIS—CLP	Diethylphthalate	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMIS—CLP	Diethylphthalate	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMIS—CLP	Diethylphthalate	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMIS—CLP	Diethylphthalate	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMIS—CLP	Diethylphthalate	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	Diethylphthalate	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25

Table K-4-8. (continued).

Sample Number	Analysis Type	Compound Name	Concentration	Units	Q Flags	Matrix	Type Location	Location	Depth Range
426R0101OS	SEMIS—CLP	Diethylphthalate	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMIS—CLP	Dimethylphthalate	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMIS—CLP	Dimethylphthalate	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMIS—CLP	Dimethylphthalate	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMIS—CLP	Dimethylphthalate	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMIS—CLP	Dimethylphthalate	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	Dimethylphthalate	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMIS—CLP	Dimethylphthalate	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMIS—CLP	Fluoranthene	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMIS—CLP	Fluoranthene	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMIS—CLP	Fluoranthene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMIS—CLP	Fluoranthene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMIS—CLP	Fluoranthene	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	Fluoranthene	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMIS—CLP	Fluoranthene	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMIS—CLP	Fluorene	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMIS—CLP	Fluorene	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMIS—CLP	Fluorene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMIS—CLP	Fluorene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMIS—CLP	Fluorene	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	Fluorene	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMIS—CLP	Fluorene	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMIS—CLP	Hexachlorobenzene	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMIS—CLP	Hexachlorobenzene	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58

Table K-4-8. (continued).

Sample Number	Analysis Type	Compound Name	Concentration	Units	Q Flags	Matrix	Type Location	Location	Depth Range
426B0301OS	SEMIS—CLP	Hexachlorobenzene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMIS—CLP	Hexachlorobenzene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMIS—CLP	Hexachlorobenzene	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	Hexachlorobenzene	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMIS—CLP	Hexachlorobenzene	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMIS—CLP	Hexachlorobutadiene	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMIS—CLP	Hexachlorobutadiene	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMIS—CLP	Hexachlorobutadiene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMIS—CLP	Hexachlorobutadiene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMIS—CLP	Hexachlorobutadiene	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	Hexachlorobutadiene	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMIS—CLP	Hexachlorobutadiene	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMIS—CLP	Hexachlorocyclopentadiene	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMIS—CLP	Hexachlorocyclopentadiene	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMIS—CLP	Hexachlorocyclopentadiene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMIS—CLP	Hexachlorocyclopentadiene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMIS—CLP	Hexachlorocyclopentadiene	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	Hexachlorocyclopentadiene	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMIS—CLP	Hexachlorocyclopentadiene	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMIS—CLP	Hexachloroethane	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMIS—CLP	Hexachloroethane	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMIS—CLP	Hexachloroethane	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMIS—CLP	Hexachloroethane	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17

Table K-4-8. (continued).

Sample Number	Analysis Type	Compound Name	Concentration	Units	Q Flags	Matrix	Type Location	Location	Depth Range
426B0401OS	SEMIS—CLP	Hexachloroethane	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	Hexachloroethane	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMIS—CLP	Hexachloroethane	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMIS—CLP	Indeno(1,2,3-cd)pyrene	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMIS—CLP	Indeno(1,2,3-cd)pyrene	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMIS—CLP	Indeno(1,2,3-cd)pyrene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMIS—CLP	Indeno(1,2,3-cd)pyrene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMIS—CLP	Indeno(1,2,3-cd)pyrene	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	Indeno(1,2,3-cd)pyrene	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMIS—CLP	Indeno(1,2,3-cd)pyrene	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMIS—CLP	Isophorone	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMIS—CLP	Isophorone	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMIS—CLP	Isophorone	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMIS—CLP	Isophorone	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMIS—CLP	Isophorone	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	Isophorone	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMIS—CLP	Isophorone	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMIS—CLP	N-Nitroso-di-n-propylamine	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMIS—CLP	N-Nitroso-di-n-propylamine	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMIS—CLP	N-Nitroso-di-n-propylamine	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMIS—CLP	N-Nitroso-di-n-propylamine	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMIS—CLP	N-Nitroso-di-n-propylamine	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	N-Nitroso-di-n-propylamine	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25

Table K-4-8. (continued).

Sample Number	Analysis Type	Compound Name	Concentration	Units	Q Flags	Matrix	Type Location	Location	Depth Range
426R0101OS	SEMIS—CLP	N-Nitroso-di-n-propylamine	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMIS—CLP	N-Nitrosodiphenylamine	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMIS—CLP	N-Nitrosodiphenylamine	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMIS—CLP	N-Nitrosodiphenylamine	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMIS—CLP	N-Nitrosodiphenylamine	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMIS—CLP	N-Nitrosodiphenylamine	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	N-Nitrosodiphenylamine	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMIS—CLP	N-Nitrosodiphenylamine	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMIS—CLP	Naphthalene	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMIS—CLP	Naphthalene	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMIS—CLP	Naphthalene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMIS—CLP	Naphthalene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMIS—CLP	Naphthalene	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	Naphthalene	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMIS—CLP	Naphthalene	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMIS—CLP	Nitrobenzene	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMIS—CLP	Nitrobenzene	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMIS—CLP	Nitrobenzene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMIS—CLP	Nitrobenzene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMIS—CLP	Nitrobenzene	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	Nitrobenzene	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMIS—CLP	Nitrobenzene	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMIS—CLP	Pentachlorophenol	980	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMIS—CLP	Pentachlorophenol	1000	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58

Table K-4-8. (continued).

Sample Number	Analysis Type	Compound Name	Concentration	Units	Q Flags	Matrix	Type Location	Location	Depth Range
426B0301OS	SEMIS—CLP	Pentachlorophenol	1100	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMIS—CLP	Pentachlorophenol	1100	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMIS—CLP	Pentachlorophenol	1000	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	Pentachlorophenol	30000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMIS—CLP	Pentachlorophenol	25	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMIS—CLP	Phenanthrene	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMIS—CLP	Phenanthrene	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMIS—CLP	Phenanthrene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMIS—CLP	Phenanthrene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMIS—CLP	Phenanthrene	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	Phenanthrene	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMIS—CLP	Phenanthrene	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMIS—CLP	Phenol	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMIS—CLP	Phenol	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMIS—CLP	Phenol	29	ug/kg	J	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMIS—CLP	Phenol	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMIS—CLP	Phenol	31	ug/kg	J	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	Phenol	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMIS—CLP	Phenol	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMIS—CLP	Pyrene	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMIS—CLP	Pyrene	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMIS—CLP	Pyrene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMIS—CLP	Pyrene	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17

Table K-4-8. (continued).

Sample Number	Analysis Type	Compound Name	Concentration	Units	Q Flags	Matrix	Type Location	Location	Depth Range
426B0401OS	SEMIS—CLP	Pyrene	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	Pyrene	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.2 5
426R0101OS	SEMIS—CLP	Pyrene	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMIS—CLP	Pyridine	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMIS—CLP	Pyridine	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.5
426B0301OS	SEMIS—CLP	Pyridine	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0302OS	SEMIS—CLP	Pyridine	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0401OS	SEMIS—CLP	Pyridine	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	Pyridine	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.2 5
426R0101OS	SEMIS—CLP	Pyridine	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMIS—CLP	bis(2-Chloroethoxy)methane	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMIS—CLP	bis(2-Chloroethoxy)methane	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.5
426B0301OS	SEMIS—CLP	bis(2-Chloroethoxy)methane	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0302OS	SEMIS—CLP	bis(2-Chloroethoxy)methane	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0401OS	SEMIS—CLP	bis(2-Chloroethoxy)methane	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	bis(2-Chloroethoxy)methane	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.2 5
426R0101OS	SEMIS—CLP	bis(2-Chloroethoxy)methane	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMIS—CLP	bis(2-Chloroethyl)ether	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMIS—CLP	bis(2-Chloroethyl)ether	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.5
426B0301OS	SEMIS—CLP	bis(2-Chloroethyl)ether	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0302OS	SEMIS—CLP	bis(2-Chloroethyl)ether	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0401OS	SEMIS—CLP	bis(2-Chloroethyl)ether	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	bis(2-Chloroethyl)ether	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.2 5

Table K-4-8. (continued).

Sample Number	Analysis Type	Compound Name	Concentration	Units	Q Flags	Matrix	Type Location	Location	Depth Range
426R0101OS	SEMIS—CLP	bis(2-Chloroethyl)ether	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMIS—CLP	bis(2-Chloroisopropyl)ether	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMIS—CLP	bis(2-Chloroisopropyl)ether	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMIS—CLP	bis(2-Chloroisopropyl)ether	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMIS—CLP	bis(2-Chloroisopropyl)ether	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMIS—CLP	bis(2-Chloroisopropyl)ether	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	bis(2-Chloroisopropyl)ether	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMIS—CLP	bis(2-Chloroisopropyl)ether	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	SEMIS—CLP	bis(2-Ethylhexyl)phthalate	390	ug/kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201OS	SEMIS—CLP	bis(2-Ethylhexyl)phthalate	410	ug/kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	SEMIS—CLP	bis(2-Ethylhexyl)phthalate	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	SEMIS—CLP	bis(2-Ethylhexyl)phthalate	440	ug/kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	SEMIS—CLP	bis(2-Ethylhexyl)phthalate	400	ug/kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501OS	SEMIS—CLP	bis(2-Ethylhexyl)phthalate	12000	ug/kg	U	Solid	Borehole	Boring #5	10B11.25
426R0101OS	SEMIS—CLP	bis(2-Ethylhexyl)phthalate	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101OS	TPH	Petroleum Hydrocarbons	7.9	mg/kg	J	Solid	Borehole	Boring #1	5B6.5
426B0201OS	TPH	Petroleum Hydrocarbons	43.6	mg/kg	J	Solid	Borehole	Boring #2	7.5B9.58
426B0301OS	TPH	Petroleum Hydrocarbons	9.7	mg/kg	J	Solid	Borehole	Boring #3	7.5B9.17
426B0302OS	TPH	Petroleum Hydrocarbons	9.6	mg/kg	J	Solid	Borehole	Boring #3	7.5B9.17
426B0401OS	TPH	Petroleum Hydrocarbons	6.3	mg/kg	J	Solid	Borehole	Boring #4	7.5B10
426B0501OS	TPH	Petroleum Hydrocarbons	3470	mg/kg	J	Solid	Borehole	Boring #5	10B11.25
426B0101CV	VOAS—CLP	1,1,1-Trichloroethane	12	ug/Kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201CV	VOAS—CLP	1,1,1-Trichloroethane	12	ug/Kg	U	Solid	Borehole	Boring #2	7.5B9.58

Table K-4-8. (continued).

Sample Number	Analysis Type	Compound Name	Concentration	Units	Q Flags	Matrix	Type Location	Location	Depth Range
426B0301CV	VOAS—CLP	1,1,1-Trichloroethane	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302CV	VOAS—CLP	1,1,1-Trichloroethane	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401CV	VOAS—CLP	1,1,1-Trichloroethane	14	ug/Kg	UJ	Solid	Borehole	Boring #4	7.5B10
426B0501CV	VOAS—CLP	1,1,1-Trichloroethane	62	ug/Kg	U	Solid	Borehole	Boring #5	7.5B10
426R0101VG	VOAS—CLP	1,1,1-Trichloroethane	5	ug/L	U	Water	Rinsate	QC	N/A
426B0101CV	VOAS—CLP	1,1,2,2-Tetrachloroethane	12	ug/Kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201CV	VOAS—CLP	1,1,2,2-Tetrachloroethane	12	ug/Kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301CV	VOAS—CLP	1,1,2,2-Tetrachloroethane	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302CV	VOAS—CLP	1,1,2,2-Tetrachloroethane	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401CV	VOAS—CLP	1,1,2,2-Tetrachloroethane	14	ug/Kg	UJ	Solid	Borehole	Boring #4	7.5B10
426B0501CV	VOAS—CLP	1,1,2,2-Tetrachloroethane	62	ug/Kg	U	Solid	Borehole	Boring #5	7.5B10
426R0101VG	VOAS—CLP	1,1,2,2-Tetrachloroethane	5	ug/L	U	Water	Rinsate	QC	N/A
426B0101CV	VOAS—CLP	1,1,2-Trichloroethane	12	ug/Kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201CV	VOAS—CLP	1,1,2-Trichloroethane	12	ug/Kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301CV	VOAS—CLP	1,1,2-Trichloroethane	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302CV	VOAS—CLP	1,1,2-Trichloroethane	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401CV	VOAS—CLP	1,1,2-Trichloroethane	14	ug/Kg	UJ	Solid	Borehole	Boring #4	7.5B10
426B0501CV	VOAS—CLP	1,1,2-Trichloroethane	62	ug/Kg	U	Solid	Borehole	Boring #5	7.5B10
426R0101VG	VOAS—CLP	1,1,2-Trichloroethane	5	ug/L	U	Water	Rinsate	QC	N/A
426B0101CV	VOAS—CLP	1,1-Dichloroethane	12	ug/Kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201CV	VOAS—CLP	1,1-Dichloroethane	12	ug/Kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301CV	VOAS—CLP	1,1-Dichloroethane	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302CV	VOAS—CLP	1,1-Dichloroethane	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401CV	VOAS—CLP	1,1-Dichloroethane	14	ug/Kg	UJ	Solid	Borehole	Boring #4	7.5B10
426B0501CV	VOAS—CLP	1,1-Dichloroethane	62	ug/Kg	U	Solid	Borehole	Boring #5	7.5B10

Table K-4-8. (continued).

Sample Number	Analysis Type	Compound Name	Concentration	Units	Q Flags	Matrix	Type Location	Location	Depth Range
426R0101VG	VOAS—CLP	1,1-Dichloroethane	5	ug/L	U	Water	Rinsate	QC	N/A
426B0101CV	VOAS—CLP	1,1-Dichloroethene	12	ug/Kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201CV	VOAS—CLP	1,1-Dichloroethene	12	ug/Kg	U	Solid	Borehole	Boring #2	7.5B9.5
426B0301CV	VOAS—CLP	1,1-Dichloroethene	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0302CV	VOAS—CLP	1,1-Dichloroethene	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0401CV	VOAS—CLP	1,1-Dichloroethene	14	ug/Kg	UJ	Solid	Borehole	Boring #4	7.5B10
426B0501CV	VOAS—CLP	1,1-Dichloroethene	62	ug/Kg	U	Solid	Borehole	Boring #5	7.5B10
426R0101VG	VOAS—CLP	1,1-Dichloroethene	5	ug/L	U	Water	Rinsate	QC	N/A
426B0101CV	VOAS—CLP	1,2-Dichloroethane	12	ug/Kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201CV	VOAS—CLP	1,2-Dichloroethane	12	ug/Kg	U	Solid	Borehole	Boring #2	7.5B9.5
426B0301CV	VOAS—CLP	1,2-Dichloroethane	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0302CV	VOAS—CLP	1,2-Dichloroethane	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0401CV	VOAS—CLP	1,2-Dichloroethane	14	ug/Kg	UJ	Solid	Borehole	Boring #4	7.5B10
426B0501CV	VOAS—CLP	1,2-Dichloroethane	62	ug/Kg	U	Solid	Borehole	Boring #5	7.5B10
426R0101VG	VOAS—CLP	1,2-Dichloroethane	5	ug/L	U	Water	Rinsate	QC	N/A
426B0101CV	VOAS—CLP	1,2-Dichloroethene (total)	12	ug/Kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201CV	VOAS—CLP	1,2-Dichloroethene (total)	12	ug/Kg	U	Solid	Borehole	Boring #2	7.5B9.5
426B0301CV	VOAS—CLP	1,2-Dichloroethene (total)	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302CV	VOAS—CLP	1,2-Dichloroethene (total)	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401CV	VOAS—CLP	1,2-Dichloroethene (total)	14	ug/Kg	UJ	Solid	Borehole	Boring #4	7.5B10
426B0501CV	VOAS—CLP	1,2-Dichloroethene (total)	62	ug/Kg	U	Solid	Borehole	Boring #5	7.5B10
426R0101VG	VOAS—CLP	1,2-Dichloroethene (total)	5	ug/L	U	Water	Rinsate	QC	N/A
426B0101CV	VOAS—CLP	1,2-Dichloropropane	12	ug/Kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201CV	VOAS—CLP	1,2-Dichloropropane	12	ug/Kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301CV	VOAS—CLP	1,2-Dichloropropane	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.17

Table K-4-8. (continued).

Sample Number	Analysis Type	Compound Name	Concentration	Units	Q Flags	Matrix	Type Location	Location	Depth Range
426B0302CV	VOAS—CLP	1,2-Dichloropropane	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401CV	VOAS—CLP	1,2-Dichloropropane	14	ug/Kg	UJ	Solid	Borehole	Boring #4	7.5B10
426B0501CV	VOAS—CLP	1,2-Dichloropropane	62	ug/Kg	U	Solid	Borehole	Boring #5	7.5B10
426R0101VG	VOAS—CLP	1,2-Dichloropropane	5	ug/L	U	Water	Rinsate	QC	N/A
426B0101CV	VOAS—CLP	2-Butanone	12	ug/Kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201CV	VOAS—CLP	2-Butanone	12	ug/Kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301CV	VOAS—CLP	2-Butanone	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302CV	VOAS—CLP	2-Butanone	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401CV	VOAS—CLP	2-Butanone	14	ug/Kg	UJ	Solid	Borehole	Boring #4	7.5B10
426B0501CV	VOAS—CLP	2-Butanone	62	ug/Kg	U	Solid	Borehole	Boring #5	7.5B10
426R0101VG	VOAS—CLP	2-Butanone	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101CV	VOAS—CLP	2-Hexanone	12	ug/Kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201CV	VOAS—CLP	2-Hexanone	12	ug/Kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301CV	VOAS—CLP	2-Hexanone	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302CV	VOAS—CLP	2-Hexanone	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401CV	VOAS—CLP	2-Hexanone	14	ug/Kg	UJ	Solid	Borehole	Boring #4	7.5B10
426B0501CV	VOAS—CLP	2-Hexanone	62	ug/Kg	U	Solid	Borehole	Boring #5	7.5B10
426R0101VG	VOAS—CLP	2-Hexanone	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101CV	VOAS—CLP	4-Methyl-2-Pentanone	12	ug/Kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201CV	VOAS—CLP	4-Methyl-2-Pentanone	12	ug/Kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301CV	VOAS—CLP	4-Methyl-2-Pentanone	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302CV	VOAS—CLP	4-Methyl-2-Pentanone	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401CV	VOAS—CLP	4-Methyl-2-Pentanone	14	ug/Kg	UJ	Solid	Borehole	Boring #4	7.5B10
426B0501CV	VOAS—CLP	4-Methyl-2-Pentanone	62	ug/Kg	U	Solid	Borehole	Boring #5	7.5B10
426R0101VG	VOAS—CLP	4-Methyl-2-Pentanone	10	ug/L	U	Water	Rinsate	QC	N/A

Table K-4-8. (continued).

Sample Number	Analysis Type	Compound Name	Concentration	Units	Q Flags	Matrix	Type Location	Location	Depth Range
426B0101CV	VOAS—CLP	Acetone	12	ug/Kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201CV	VOAS—CLP	Acetone	12	ug/Kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301CV	VOAS—CLP	Acetone	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302CV	VOAS—CLP	Acetone	26	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401CV	VOAS—CLP	Acetone	59	ug/Kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501CV	VOAS—CLP	Acetone	62	ug/Kg	U	Solid	Borehole	Boring #5	7.5B10
426R0101VG	VOAS—CLP	Acetone	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101CV	VOAS—CLP	Benzene	12	ug/Kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201CV	VOAS—CLP	Benzene	12	ug/Kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301CV	VOAS—CLP	Benzene	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302CV	VOAS—CLP	Benzene	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401CV	VOAS—CLP	Benzene	14	ug/Kg	UJ	Solid	Borehole	Boring #4	7.5B10
426B0501CV	VOAS—CLP	Benzene	62	ug/Kg	U	Solid	Borehole	Boring #5	7.5B10
426R0101VG	VOAS—CLP	Benzene	5	ug/L	U	Water	Rinsate	QC	N/A
426B0101CV	VOAS—CLP	Bromodichloromethane	12	ug/Kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201CV	VOAS—CLP	Bromodichloromethane	12	ug/Kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301CV	VOAS—CLP	Bromodichloromethane	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302CV	VOAS—CLP	Bromodichloromethane	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401CV	VOAS—CLP	Bromodichloromethane	14	ug/Kg	UJ	Solid	Borehole	Boring #4	7.5B10
426B0501CV	VOAS—CLP	Bromodichloromethane	62	ug/Kg	U	Solid	Borehole	Boring #5	7.5B10
426R0101VG	VOAS—CLP	Bromodichloromethane	5	ug/L	U	Water	Rinsate	QC	N/A
426B0101CV	VOAS—CLP	Bromoform	12	ug/Kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201CV	VOAS—CLP	Bromoform	12	ug/Kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301CV	VOAS—CLP	Bromoform	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302CV	VOAS—CLP	Bromoform	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.17

Table K-4-8. (continued).

Sample Number	Analysis Type	Compound Name	Concentration	Units	Q Flags	Matrix	Type Location	Location	Depth Range
426B0401CV	VOAS—CLP	Bromoform	14	ug/Kg	UJ	Solid	Borehole	Boring #4	7.5B10
426B0501CV	VOAS—CLP	Bromoform	62	ug/Kg	U	Solid	Borehole	Boring #5	7.5B10
426R0101VG	VOAS—CLP	Bromoform	5	ug/L	U	Water	Rinsate	QC	N/A
426B0101CV	VOAS—CLP	Bromomethane	12	ug/Kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201CV	VOAS—CLP	Bromomethane	12	ug/Kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301CV	VOAS—CLP	Bromomethane	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302CV	VOAS—CLP	Bromomethane	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401CV	VOAS—CLP	Bromomethane	14	ug/Kg	UJ	Solid	Borehole	Boring #4	7.5B10
426B0501CV	VOAS—CLP	Bromomethane	62	ug/Kg	U	Solid	Borehole	Boring #5	7.5B10
426R0101VG	VOAS—CLP	Bromomethane	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101CV	VOAS—CLP	Carbon Disulfide	12	ug/Kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201CV	VOAS—CLP	Carbon Disulfide	12	ug/Kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301CV	VOAS—CLP	Carbon Disulfide	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302CV	VOAS—CLP	Carbon Disulfide	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401CV	VOAS—CLP	Carbon Disulfide	14	ug/Kg	UJ	Solid	Borehole	Boring #4	7.5B10
426B0501CV	VOAS—CLP	Carbon Disulfide	62	ug/Kg	U	Solid	Borehole	Boring #5	7.5B10
426R0101VG	VOAS—CLP	Carbon Disulfide	5	ug/L	U	Water	Rinsate	QC	N/A
426B0101CV	VOAS—CLP	Carbon Tetrachloride	12	ug/Kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201CV	VOAS—CLP	Carbon Tetrachloride	12	ug/Kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301CV	VOAS—CLP	Carbon Tetrachloride	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302CV	VOAS—CLP	Carbon Tetrachloride	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401CV	VOAS—CLP	Carbon Tetrachloride	14	ug/Kg	UJ	Solid	Borehole	Boring #4	7.5B10
426B0501CV	VOAS—CLP	Carbon Tetrachloride	62	ug/Kg	U	Solid	Borehole	Boring #5	7.5B10
426R0101VG	VOAS—CLP	Carbon Tetrachloride	5	ug/L	U	Water	Rinsate	QC	N/A
426B0101CV	VOAS—CLP	Chlorobenzene	12	ug/Kg	U	Solid	Borehole	Boring #1	5B6.5

Table K-4-8. (continued).

Sample Number	Analysis Type	Compound Name	Concentration	Units	Q Flags	Matrix	Type Location	Location	Depth Range
426B0201CV	VOAS—CLP	Chlorobenzene	12	ug/Kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301CV	VOAS—CLP	Chlorobenzene	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302CV	VOAS—CLP	Chlorobenzene	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401CV	VOAS—CLP	Chlorobenzene	14	ug/Kg	UJ	Solid	Borehole	Boring #4	7.5B10
426B0501CV	VOAS—CLP	Chlorobenzene	62	ug/Kg	U	Solid	Borehole	Boring #5	7.5B10
426R0101VG	VOAS—CLP	Chlorobenzene	5	ug/L	U	Water	Rinsate	QC	N/A
426B0101CV	VOAS—CLP	Chloroethane	12	ug/Kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201CV	VOAS—CLP	Chloroethane	12	ug/Kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301CV	VOAS—CLP	Chloroethane	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302CV	VOAS—CLP	Chloroethane	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401CV	VOAS—CLP	Chloroethane	14	ug/Kg	UJ	Solid	Borehole	Boring #4	7.5B10
426B0501CV	VOAS—CLP	Chloroethane	62	ug/Kg	U	Solid	Borehole	Boring #5	7.5B10
426R0101VG	VOAS—CLP	Chloroethane	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101CV	VOAS—CLP	Chloroform	12	ug/Kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201CV	VOAS—CLP	Chloroform	12	ug/Kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301CV	VOAS—CLP	Chloroform	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302CV	VOAS—CLP	Chloroform	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401CV	VOAS—CLP	Chloroform	14	ug/Kg	UJ	Solid	Borehole	Boring #4	7.5B10
426B0501CV	VOAS—CLP	Chloroform	62	ug/Kg	U	Solid	Borehole	Boring #5	7.5B10
426R0101VG	VOAS—CLP	Chloroform	5	ug/L	U	Water	Rinsate	QC	N/A
426B0101CV	VOAS—CLP	Chloromethane	12	ug/Kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201CV	VOAS—CLP	Chloromethane	12	ug/Kg	U	Solid	Borehole	Boring #2	7.5B9.58
426B0301CV	VOAS—CLP	Chloromethane	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0302CV	VOAS—CLP	Chloromethane	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.17
426B0401CV	VOAS—CLP	Chloromethane	14	ug/Kg	UJ	Solid	Borehole	Boring #4	7.5B10

Table K-4-8. (continued).

Sample Number	Analysis Type	Compound Name	Concentration	Units	Q Flags	Matrix	Type Location	Location	Depth Range
426B0501CV	VOAS—CLP	Chloromethane	62	ug/Kg	U	Solid	Borehole	Boring #5	7.5B10
426R0101VG	VOAS—CLP	Chloromethane	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101CV	VOAS—CLP	Dibromochloromethane	12	ug/Kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201CV	VOAS—CLP	Dibromochloromethane	12	ug/Kg	U	Solid	Borehole	Boring #2	7.5B9.5
426B0301CV	VOAS—CLP	Dibromochloromethane	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0302CV	VOAS—CLP	Dibromochloromethane	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0401CV	VOAS—CLP	Dibromochloromethane	14	ug/Kg	UJ	Solid	Borehole	Boring #4	7.5B10
426B0501CV	VOAS—CLP	Dibromochloromethane	62	ug/Kg	U	Solid	Borehole	Boring #5	7.5B10
426R0101VG	VOAS—CLP	Dibromochloromethane	5	ug/L	U	Water	Rinsate	QC	N/A
426B0101CV	VOAS—CLP	Ethylbenzene	12	ug/Kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201CV	VOAS—CLP	Ethylbenzene	12	ug/Kg	U	Solid	Borehole	Boring #2	7.5B9.5
426B0301CV	VOAS—CLP	Ethylbenzene	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0302CV	VOAS—CLP	Ethylbenzene	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0401CV	VOAS—CLP	Ethylbenzene	14	ug/Kg	UJ	Solid	Borehole	Boring #4	7.5B10
426B0501CV	VOAS—CLP	Ethylbenzene	62	ug/Kg	U	Solid	Borehole	Boring #5	7.5B10
426R0101VG	VOAS—CLP	Ethylbenzene	5	ug/L	U	Water	Rinsate	QC	N/A
426B0101CV	VOAS—CLP	Methylene Chloride	17	ug/Kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201CV	VOAS—CLP	Methylene Chloride	16	ug/Kg	U	Solid	Borehole	Boring #2	7.5B9.5
426B0301CV	VOAS—CLP	Methylene Chloride	20	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0302CV	VOAS—CLP	Methylene Chloride	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0401CV	VOAS—CLP	Methylene Chloride	18	ug/Kg	U	Solid	Borehole	Boring #4	7.5B10
426B0501CV	VOAS—CLP	Methylene Chloride	62	ug/Kg	U	Solid	Borehole	Boring #5	7.5B10
426R0101VG	VOAS—CLP	Methylene Chloride	5	ug/L	U	Water	Rinsate	QC	N/A
426B0101CV	VOAS—CLP	Styrene	12	ug/Kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201CV	VOAS—CLP	Styrene	12	ug/Kg	U	Solid	Borehole	Boring #2	7.5B9.5

Table K-4-8. (continued).

Sample Number	Analysis Type	Compound Name	Concentration	Units	Q Flags	Matrix	Type Location	Location	Depth Range
426B0301CV	VOAS—CLP	Styrene	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0302CV	VOAS—CLP	Styrene	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0401CV	VOAS—CLP	Styrene	14	ug/Kg	UJ	Solid	Borehole	Boring #4	7.5B10
426B0501CV	VOAS—CLP	Styrene	62	ug/Kg	U	Solid	Borehole	Boring #5	7.5B10
426R0101VG	VOAS—CLP	Styrene	5	ug/L	U	Water	Rinsate	QC	N/A
426B0101CV	VOAS—CLP	Tetrachloroethene	12	ug/Kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201CV	VOAS—CLP	Tetrachloroethene	12	ug/Kg	U	Solid	Borehole	Boring #2	7.5B9.5
426B0301CV	VOAS—CLP	Tetrachloroethene	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0302CV	VOAS—CLP	Tetrachloroethene	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0401CV	VOAS—CLP	Tetrachloroethene	14	ug/Kg	UJ	Solid	Borehole	Boring #4	7.5B10
426B0501CV	VOAS—CLP	Tetrachloroethene	62	ug/Kg	U	Solid	Borehole	Boring #5	7.5B10
426R0101VG	VOAS—CLP	Tetrachloroethene	5	ug/L	U	Water	Rinsate	QC	N/A
426B0101CV	VOAS—CLP	Toluene	12	ug/Kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201CV	VOAS—CLP	Toluene	12	ug/Kg	U	Solid	Borehole	Boring #2	7.5B9.5
426B0301CV	VOAS—CLP	Toluene	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0302CV	VOAS—CLP	Toluene	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0401CV	VOAS—CLP	Toluene	14	ug/Kg	UJ	Solid	Borehole	Boring #4	7.5B10
426B0501CV	VOAS—CLP	Toluene	62	ug/Kg	U	Solid	Borehole	Boring #5	7.5B10
426R0101VG	VOAS—CLP	Toluene	5	ug/L	U	Water	Rinsate	QC	N/A
426B0101CV	VOAS—CLP	Trichloroethene	12	ug/Kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201CV	VOAS—CLP	Trichloroethene	12	ug/Kg	U	Solid	Borehole	Boring #2	7.5B9.5
426B0301CV	VOAS—CLP	Trichloroethene	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0302CV	VOAS—CLP	Trichloroethene	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0401CV	VOAS—CLP	Trichloroethene	14	ug/Kg	UJ	Solid	Borehole	Boring #4	7.5B10
426B0501CV	VOAS—CLP	Trichloroethene	62	ug/Kg	U	Solid	Borehole	Boring #5	7.5B10

Table K-4-8. (continued).

Sample Number	Analysis Type	Compound Name	Concentration	Units	Q Flags	Matrix	Type Location	Location	Depth Range
426R0101VG	VOAS—CLP	Trichloroethene	5	ug/L	U	Water	Rinsate	QC	N/A
426R0101VG	VOAS—CLP	Vinyl Acetate	10	ug/L	U	Water	Rinsate	Qc	N/A
426B0101CV	VOAS—CLP	Vinyl Chloride	12	ug/Kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201CV	VOAS—CLP	Vinyl Chloride	12	ug/Kg	U	Solid	Borehole	Boring #2	7.5B9.5
426B0301CV	VOAS—CLP	Vinyl Chloride	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0302CV	VOAS—CLP	Vinyl Chloride	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0401CV	VOAS—CLP	Vinyl Chloride	14	ug/Kg	UJ	Solid	Borehole	Boring #4	7.5B10
426B0501CV	VOAS—CLP	Vinyl Chloride	62	ug/Kg	U	Solid	Borehole	Boring #5	7.5B10
426R0101VG	VOAS—CLP	Vinyl Chloride	10	ug/L	U	Water	Rinsate	QC	N/A
426B0101CV	VOAS—CLP	Xylene (total)	12	ug/Kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201CV	VOAS—CLP	Xylene (total)	12	ug/Kg	U	Solid	Borehole	Boring #2	7.5B9.5
426B0301CV	VOAS—CLP	Xylene (total)	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0302CV	VOAS—CLP	Xylene (total)	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0401CV	VOAS—CLP	Xylene (total)	14	ug/Kg	UJ	Solid	Borehole	Boring #4	7.5B10
426B0501CV	VOAS—CLP	Xylene (total)	62	ug/Kg	U	Solid	Borehole	Boring #5	7.5B10
426R0101VG	VOAS—CLP	Xylene (total)	5	ug/L	U	Water	Rinsate	QC	N/A
426B0101CV	VOAS—CLP	cis-1,3-Dichloropropene	12	ug/Kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201CV	VOAS—CLP	cis-1,3-Dichloropropene	12	ug/Kg	U	Solid	Borehole	Boring #2	7.5B9.5
426B0301CV	VOAS—CLP	cis-1,3-Dichloropropene	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0302CV	VOAS—CLP	cis-1,3-Dichloropropene	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0401CV	VOAS—CLP	cis-1,3-Dichloropropene	14	ug/Kg	UJ	Solid	Borehole	Boring #4	7.5B10
426B0501CV	VOAS—CLP	cis-1,3-Dichloropropene	62	ug/Kg	U	Solid	Borehole	Boring #5	7.5B10
426R0101VG	VOAS—CLP	cis-1,3-Dichloropropene	5	ug/L	U	Water	Rinsate	QC	N/A
426B0101CV	VOAS—CLP	trans-1,3-Dichloropropene	12	ug/Kg	U	Solid	Borehole	Boring #1	5B6.5
426B0201CV	VOAS—CLP	trans-1,3-Dichloropropene	12	ug/Kg	U	Solid	Borehole	Boring #2	7.5B9.5

Table K-4-8. (continued).

Sample Number	Analysis Type	Compound Name	Concentration	Units	Q Flags	Matrix	Type Location	Location	Depth Range
426B0301CV	VOAS—CLP	trans-1,3-Dichloropropene	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0302CV	VOAS—CLP	trans-1,3-Dichloropropene	13	ug/Kg	U	Solid	Borehole	Boring #3	7.5B9.1
426B0401CV	VOAS—CLP	trans-1,3-Dichloropropene	14	ug/Kg	UJ	Solid	Borehole	Boring #4	7.5B10
426B0501CV	VOAS—CLP	trans-1,3-Dichloropropene	62	ug/Kg	U	Solid	Borehole	Boring #5	7.5B10
426R0101VG	VOAS—CLP	trans-1,3-Dichloropropene	5	ug/L	U	Water	Rinsate	QC	N/A

Table K-4-9. Data for CFA-27.

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	Type Location	Locatio
UC40001T1	CFA-27	BTEX	Benzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA74
UC40101T1	CFA-27	BTEX	Benzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA74
UC40201T1	CFA-27	BTEX	Benzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA74
UC40202T1	CFA-27	BTEX	Benzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA74
UC40301T1	CFA-27	BTEX	Benzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA74
UC40401T1	CFA-27	BTEX	Benzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA74
UC40001T1	CFA-27	BTEX	Ethylbenzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA74
UC40101T1	CFA-27	BTEX	Ethylbenzene	0.05		ug/g		Soil	OU4-03/UST	CFA74
UC40201T1	CFA-27	BTEX	Ethylbenzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA74
UC40202T1	CFA-27	BTEX	Ethylbenzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA74
UC40301T1	CFA-27	BTEX	Ethylbenzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA74
UC40401T1	CFA-27	BTEX	Ethylbenzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA74
UC40001T1	CFA-27	BTEX	Toluene	0.05		ug/g	U	Soil	OU4-03/UST	CFA74
UC40101T1	CFA-27	BTEX	Toluene	0.06		ug/g		Soil	OU4-03/UST	CFA74
UC40201T1	CFA-27	BTEX	Toluene	0.05		ug/g	U	Soil	OU4-03/UST	CFA74
UC40202T1	CFA-27	BTEX	Toluene	0.05		ug/g	U	Soil	OU4-03/UST	CFA74
UC40301T1	CFA-27	BTEX	Toluene	0.05		ug/g	U	Soil	OU4-03/UST	CFA74
UC40401T1	CFA-27	BTEX	Toluene	0.05		ug/g	U	Soil	OU4-03/UST	CFA74
UC40001T1	CFA-27	BTEX	Xylene (total)	0.1		ug/g	U	Soil	OU4-03/UST	CFA74
UC40101T1	CFA-27	BTEX	Xylene (total)	0.1		ug/g		Soil	OU4-03/UST	CFA74
UC40201T1	CFA-27	BTEX	Xylene (total)	0.1		ug/g	U	Soil	OU4-03/UST	CFA74
UC40202T1	CFA-27	BTEX	Xylene (total)	0.1		ug/g	U	Soil	OU4-03/UST	CFA74
UC40301T1	CFA-27	BTEX	Xylene (total)	0.1		ug/g	U	Soil	OU4-03/UST	CFA74
UC40401T1	CFA-27	BTEX	Xylene (total)	0.1		ug/g	U	Soil	OU4-03/UST	CFA74
UC40001T1	CFA-27	TPH	TPHXDiesel Fuel	0.01		mg/g	U	Soil	OU4-03/UST	CFA74
UC40101T1	CFA-27	TPH	TPHXDiesel Fuel	1.1		mg/g		Soil	OU4-03/UST	CFA74

Table K-4-9. (continued).

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	Type Location	Locatio
UC40201T1	CFA-27	TPH	TPHXDiesel Fuel	0.01		mg/g	U	Soil	OU4-03/UST	CFA74(
UC40202T1	CFA-27	TPH	TPHXDiesel Fuel	0.01		mg/g	U	Soil	OU4-03/UST	CFA74(
UC40301T1	CFA-27	TPH	TPHXDiesel Fuel	0.01		mg/g	U	Soil	OU4-03/UST	CFA74(
UC40401T1	CFA-27	TPH	TPHXDiesel Fuel	0.64		mg/g		Soil	OU4-03/UST	CFA74(

Table K-4-10. Data for CFA-28.

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags		Matrix	Type Location
UC24001GV	CFA-28	BTEX	Benzene	0.56		ug/kg	U		Soil	OU4-03/UST
UC24101GV	CFA-28	BTEX	Benzene	0.57		ug/kg	U		Soil	OU4-03/UST
UC24001GV	CFA-28	BTEX	Ethylbenzene	1.1		ug/kg	U		Soil	OU4-03/UST
UC24101GV	CFA-28	BTEX	Ethylbenzene	1.2		ug/kg	U		Soil	OU4-03/UST
UC24001GV	CFA-28	BTEX	Toluene	0.95		ug/kg	U		Soil	OU4-03/UST
UC24101GV	CFA-28	BTEX	Toluene	0.96		ug/kg	U		Soil	OU4-03/UST
UC24001GV	CFA-28	BTEX	Xylene (total)	3.4		ug/kg	U		Soil	OU4-03/UST
UC24101GV	CFA-28	BTEX	Xylene (total)	3.6		ug/kg	U		Soil	OU4-03/UST
UC24001T1	CFA-28	INORGXTCLP	Arsenic	71		ug/L	U	P	Water	OU4-03/UST
UC24001T1	CFA-28	INORGXTCLP	Barium	2270		ug/L	E	P	Water	OU4-03/UST
UC24001T1	CFA-28	INORGXTCLP	Cadmium	9		ug/L	B	P	Water	OU4-03/UST
UC24001T1	CFA-28	INORGXTCLP	Chromium	15		ug/L	B	P	Water	OU4-03/UST
UC24001T1	CFA-28	INORGXTCLP	Lead	22		ug/L	U	P	Water	OU4-03/UST
UC24001T1	CFA-28	INORGXTCLP	Mercury	0.1		ug/L	U	CV	Water	OU4-03/UST
UC24001T1	CFA-28	INORGXTCLP	Selenium	10		ug/L	BN	F	Water	OU4-03/UST
UC24001T1	CFA-28	INORGXTCLP	Silver	8		ug/L	B	P	Water	OU4-03/UST
UC24001GV	CFA-28	TPH	TPH–Diesel Fuel	10.3		ug/g	U		Soil	OU4-03/UST
UC24101GV	CFA-28	TPH	TPH–Diesel Fuel	57.4		ug/g			Soil	OU4-03/UST
UC24001TV	CFA-28	VOASXTCLP	1,1-Dichloroethene	25		ug/L	U		Soil	OU4-03/UST
UC24001TV	CFA-28	VOASXTCLP	1,4-Dichlorobenzene	25		ug/L	U		Soil	OU4-03/UST
UC24001TV	CFA-28	VOASXTCLP	2-Butanone	50		ug/L	U		Soil	OU4-03/UST
UC24001TV	CFA-28	VOASXTCLP	Benzene	25		ug/L	U		Soil	OU4-03/UST
UC24001TV	CFA-28	VOASXTCLP	Carbon Tetrachloride	25		ug/L	U		Soil	OU4-03/UST
UC24001TV	CFA-28	VOASXTCLP	Chlorobenzene	25		ug/L	U		Soil	OU4-03/UST
UC24001TV	CFA-28	VOASXTCLP	Chloroform	25		ug/L	U		Soil	OU4-03/UST

Table K-4-10. (continued).

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	Type Location
UC24001TV	CFA-28	VOASXTCLP	Tetrachloroethene	25		ug/L	U	Soil	OU4-03/UST
UC24001TV	CFA-28	VOASXTCLP	Trichloroethene	25		ug/L	U	Soil	OU4-03/UST
UC24001TV	CFA-28	VOASXTCLP	Vinyl Chloride	50		ug/L	U	Soil	OU4-03/UST

Table K-4-11. Data for CFA-29.

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	Type Location	Loca
CFA7431	CFA-29	BTEX	Benzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA6
CFA7432	CFA-29	BTEX	Benzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA6
CFA7433	CFA-29	BTEX	Benzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA6
CFA7431	CFA-29	BTEX	Ethylbenzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA6
CFA7432	CFA-29	BTEX	Ethylbenzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA6
CFA7433	CFA-29	BTEX	Ethylbenzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA6
CFA7431	CFA-29	BTEX	Toluene	0.05		ug/g	U	Soil	OU4-03/UST	CFA6
CFA7432	CFA-29	BTEX	Toluene	0.05		ug/g	U	Soil	OU4-03/UST	CFA6
CFA7433	CFA-29	BTEX	Toluene	0.05		ug/g	U	Soil	OU4-03/UST	CFA6
CFA7431	CFA-29	BTEX	Xylene (total)	0.05		ug/g	U	Soil	OU4-03/UST	CFA6
CFA7432	CFA-29	BTEX	Xylene (total)	0.05		ug/g	U	Soil	OU4-03/UST	CFA6
CFA7433	CFA-29	BTEX	Xylene (total)	0.05		ug/g	U	Soil	OU4-03/UST	CFA6
CFA7431	CFA-29	TPH	Petroleum Hydrocarbons	2		ug/g	U	Soil	OU4-03/UST	CFA6
CFA7432	CFA-29	TPH	Petroleum Hydrocarbons	4		ug/g		Soil	OU4-03/UST	CFA6
CFA7433	CFA-29	TPH	Petroleum Hydrocarbons	9		ug/g		Soil	OU4-03/UST	CFA6

Table K-4-12. Data for CFA-30.

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	Type Location	Loc
CFA7441	CFA-30	BTEX	Benzene	0.05		ug/g	U	SOIL	OU4-03/UST	CFA
CFA7442	CFA-30	BTEX	Benzene	0.05		ug/g	U	SOIL	OU4-03/UST	CFA
CFA7443	CFA-30	BTEX	Benzene	0.05		ug/g	U	SOIL	OU4-03/UST	CFA
CFA7441	CFA-30	BTEX	Ethylbenzene	0.05		ug/g	U	SOIL	OU4-03/UST	CFA
CFA7442	CFA-30	BTEX	Ethylbenzene	0.05		ug/g	U	SOIL	OU4-03/UST	CFA
CFA7443	CFA-30	BTEX	Ethylbenzene	0.1		ug/g		SOIL	OU4-03/UST	CFA
CFA7441	CFA-30	BTEX	Toluene	0.05		ug/g	U	SOIL	OU4-03/UST	CFA
CFA7442	CFA-30	BTEX	Toluene	0.05		ug/g	U	SOIL	OU4-03/UST	CFA
CFA7443	CFA-30	BTEX	Toluene	0.05		ug/g	U	SOIL	OU4-03/UST	CFA
CFA7441	CFA-30	BTEX	Xylene (total)	0.05		ug/g	U	SOIL	OU4-03/UST	CFA
CFA7442	CFA-30	BTEX	Xylene (total)	0.05		ug/g	U	SOIL	OU4-03/UST	CFA
CFA7443	CFA-30	BTEX	Xylene (total)	0.05		ug/g	U	SOIL	OU4-03/UST	CFA
CFA7441	CFA-30	TPH	Petroleum Hydrocarbons	3		ug/g		SOIL	OU4-03/UST	CFA
CFA7442	CFA-30	TPH	Petroleum Hydrocarbons	7		ug/g		SOIL	OU4-03/UST	CFA
CFA7443	CFA-30	TPH	Petroleum Hydrocarbons	76		ug/g		SOIL	OU4-03/UST	CFA

Table K-4-13. Data for CFA-31.

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	Typ Locati
UC44001GV	CFA-31	BTEX	Benzene	0.66		ug/kg	U	Soil	OU4-03/
UC44101GV	CFA-31	BTEX	Benzene	0.57		ug/kg	U	Soil	OU4-03/
UC44201GV	CFA-31	BTEX	Benzene	0.66		ug/kg	U	Soil	OU4-03/
UC44202GV	CFA-31	BTEX	Benzene	0.67		ug/kg	U	Soil	OU4-03/
UC44301GV	CFA-31	BTEX	Benzene	0.67		ug/kg	U	Soil	OU4-03/
UC44401GV	CFA-31	BTEX	Benzene	0.67		ug/kg	U	Soil	OU4-03/
UC44501GVDL	CFA-31	BTEX	Benzene	61.2		ug/kg	U	Soil	OU4-03/
UC44001GV	CFA-31	BTEX	Ethylbenzene	1.3		ug/kg	U	Soil	OU4-03/
UC44101GV	CFA-31	BTEX	Ethylbenzene	1.2		ug/kg	U	Soil	OU4-03/
UC44201GV	CFA-31	BTEX	Ethylbenzene	1.3		ug/kg	U	Soil	OU4-03/
UC44202GV	CFA-31	BTEX	Ethylbenzene	1.4		ug/kg	U	Soil	OU4-03/
UC44301GV	CFA-31	BTEX	Ethylbenzene	1.4		ug/kg	U	Soil	OU4-03/
UC44401GV	CFA-31	BTEX	Ethylbenzene	1.4		ug/kg	U	Soil	OU4-03/
UC44501GVDL	CFA-31	BTEX	Ethylbenzene	787.22		ug/kg		Soil	OU4-03/
UC44001GV	CFA-31	BTEX	Toluene	1.1		ug/kg	U	Soil	OU4-03/
UC44101GV	CFA-31	BTEX	Toluene	1.54		ug/kg		Soil	OU4-03/
UC44201GV	CFA-31	BTEX	Toluene	1.1		ug/kg	U	Soil	OU4-03/
UC44202GV	CFA-31	BTEX	Toluene	1.1		ug/kg	U	Soil	OU4-03/
UC44301GV	CFA-31	BTEX	Toluene	1.1		ug/kg	U	Soil	OU4-03/
UC44401GV	CFA-31	BTEX	Toluene	1.1		ug/kg	U	Soil	OU4-03/
UC44501GVDL	CFA-31	BTEX	Toluene	3505.79		ug/kg		Soil	OU4-03/
UC44001GV	CFA-31	BTEX	Xylene (total)	4		ug/kg	U	Soil	OU4-03/
UC44101GV	CFA-31	BTEX	Xylene (total)	51.38		ug/kg		Soil	OU4-03/
UC44201GV	CFA-31	BTEX	Xylene (total)	4		ug/kg	U	Soil	OU4-03/
UC44202GV	CFA-31	BTEX	Xylene (total)	4		ug/kg	U	Soil	OU4-03/

Table K-4-13. (continued).

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags		Matrix	Typ Locati
UC44301GV	CFA-31	BTEX	Xylene (total)	4		ug/kg	U		Soil	OU4-03/
UC44401GV	CFA-31	BTEX	Xylene (total)	4		ug/kg	U		Soil	OU4-03/
UC44501GVDL	CFA-31	BTEX	Xylene (total)	6688.4		ug/kg			Soil	OU4-03/
UC44001T1	CFA-31	INORGXTCLP	Arsenic	74		ug/L	UN	P	Water	OU4-03/
UC44101T1	CFA-31	INORGXTCLP	Arsenic	74		ug/L	UN	P	Water	OU4-03/
UC44201T1	CFA-31	INORGXTCLP	Arsenic	74		ug/L	UN	P	Water	OU4-03/
UC44202T1	CFA-31	INORGXTCLP	Arsenic	74		ug/L	UN	P	Water	OU4-03/
UC44301T1	CFA-31	INORGXTCLP	Arsenic	74		ug/L	UN	P	Water	OU4-03/
UC44401T1	CFA-31	INORGXTCLP	Arsenic	79		ug/L	BN	P	Water	OU4-03/
UC44501T1TV	CFA-31	INORGXTCLP	Arsenic	74		ug/L	UN	P	Water	OU4-03/
UC44001T1	CFA-31	INORGXTCLP	Barium	1270		ug/L	N	P	Water	OU4-03/
UC44101T1	CFA-31	INORGXTCLP	Barium	2210		ug/L	N	P	Water	OU4-03/
UC44201T1	CFA-31	INORGXTCLP	Barium	1120		ug/L	N	P	Water	OU4-03/
UC44202T1	CFA-31	INORGXTCLP	Barium	584		ug/L	BN	P	Water	OU4-03/
UC44301T1	CFA-31	INORGXTCLP	Barium	713		ug/L	BN	P	Water	OU4-03/
UC44401T1	CFA-31	INORGXTCLP	Barium	898		ug/L	BN	P	Water	OU4-03/
UC44501T1TV	CFA-31	INORGXTCLP	Barium	2010		ug/L	N	P	Water	OU4-03/
UC44001T1	CFA-31	INORGXTCLP	Cadmium	12		ug/L	BN	P	Water	OU4-03/
UC44101T1	CFA-31	INORG - TCLP	Cadmium	7		ug/L	BN	P	Water	OU4-03/
UC44201T1	CFA-31	INORGXTCLP	Cadmium	11		ug/L	BN	P	Water	OU4-03/
UC44202T1	CFA-31	INORGXTCLP	Cadmium	10		ug/L	BN	P	Water	OU4-03/
UC44301T1	CFA-31	INORGXTCLP	Cadmium	4		ug/L	BN	P	Water	OU4-03/
UC44401T1	CFA-31	INORGXTCLP	Cadmium	9		ug/L	BN	P	Water	OU4-03/
UC44501T1TV	CFA-31	INORGXTCLP	Cadmium	7		ug/L	BN	P	Water	OU4-03/
UC44001T1	CFA-31	INORGXTCLP	Chromium	12		ug/L	BN	P	Water	OU4-03/

Table K-4-13. (continued).

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q	Flags	Matrix	Typ Locat
UC44101T1	CFA-31	INORGXTCLP	Chromium	11		ug/L	BN	P	Water	OU4-03/
UC44201T1	CFA-31	INORGXTCLP	Chromium	6		ug/L	UN	P	Water	OU4-03/
UC44202T1	CFA-31	INORGXTCLP	Chromium	6		ug/L	BN	P	Water	OU4-03/
UC44301T1	CFA-31	INORGXTCLP	Chromium	6		ug/L	BN	P	Water	OU4-03/
UC44401T1	CFA-31	INORGXTCLP	Chromium	11		ug/L	BN	P	Water	OU4-03/
UC44501T1TV	CFA-31	INORGXTCLP	Chromium	16		ug/L	BN	P	Water	OU4-03/
UC44001T1	CFA-31	INORGXTCLP	Lead	100		ug/L	UN	P	Water	OU4-03/
UC44101T1	CFA-31	INORGXTCLP	Lead	100		ug/L	UN	P	Water	OU4-03/
UC44201T1	CFA-31	INORGXTCLP	Lead	100		ug/L	UN	P	Water	OU4-03/
UC44202T1	CFA-31	INORGXTCLP	Lead	100		ug/L	UN	P	Water	OU4-03/
UC44301T1	CFA-31	INORGXTCLP	Lead	100		ug/L	UN	P	Water	OU4-03/
UC44401T1	CFA-31	INORGXTCLP	Lead	100		ug/L	UN	P	Water	OU4-03/
UC44501T1TV	CFA-31	INORGXTCLP	Lead	276		ug/L	N	P	Water	OU4-03/
UC44001T1	CFA-31	INORGXTCLP	Mercury	0.1		ug/L	U	CV	Water	OU4-03/
UC44101T1	CFA-31	INORGXTCLP	Mercury	0.16		ug/L	B	CV	Water	OU4-03/
UC44201T1	CFA-31	INORGXTCLP	Mercury	0.1		ug/L	U	CV	Water	OU4-03/
UC44202T1	CFA-31	INORGXTCLP	Mercury	0.1		ug/L	U	CV	Water	OU4-03/
UC44301T1	CFA-31	INORGXTCLP	Mercury	0.1		ug/L	U	CV	Water	OU4-03/
UC44401T1	CFA-31	INORGXTCLP	Mercury	0.1		ug/L	U	CV	Water	OU4-03/
UC44501T1TV	CFA-31	INORGXTCLP	Mercury	0.1		ug/L	U	CV	Water	OU4-03/
UC44001T1	CFA-31	INORGXTCLP	Selenium	5		ug/L	UNW	F	Water	OU4-03/
UC44101T1	CFA-31	INORGXTCLP	Selenium	5		ug/L	UNW	F	Water	OU4-03/
UC44201T1	CFA-31	INORGXTCLP	Selenium	5		ug/L	UNW	F	Water	OU4-03/
UC44202T1	CFA-31	INORGXTCLP	Selenium	5		ug/L	UNW	F	Water	OU4-03/
UC44301T1	CFA-31	INORGXTCLP	Selenium	5		ug/L	UNW	F	Water	OU4-03/

Table K-4-13. (continued).

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags		Matrix	Typ Locat
UC44401T1	CFA-31	INORGXTCLP	Selenium	5		ug/L	UNW	F	Water	OU4-03
UC44501T1TV	CFA-31	INORGXTCLP	Selenium	5		ug/L	UNW	F	Water	OU4-03
UC44001T1	CFA-31	INORGXTCLP	Silver	7		ug/L	U	P	Water	OU4-03
UC44101T1	CFA-31	INORGXTCLP	Silver	7		ug/L	U	P	Water	OU4-03
UC44201T1	CFA-31	INORGXTCLP	Silver	7		ug/L	U	P	Water	OU4-03
UC44202T1	CFA-31	INORGXTCLP	Silver	7		ug/L	U	P	Water	OU4-03
UC44301T1	CFA-31	INORGXTCLP	Silver	7		ug/L	U	P	Water	OU4-03
UC44401T1	CFA-31	INORGXTCLP	Silver	7		ug/L	U	P	Water	OU4-03
UC44501T1TV	CFA-31	INORGXTCLP	Silver	7		ug/L	U	P	Water	OU4-03
UC44001GV	CFA-31	TPH	TPHXDiesel Fuel	12.1		ug/g	U		Soil	OU4-03
UC44101GV	CFA-31	TPH	TPHXDiesel Fuel	128		ug/g			Soil	OU4-03
UC44201GV	CFA-31	TPH	TPHXDiesel Fuel	66.8		ug/g			Soil	OU4-03
UC44202GV	CFA-31	TPH	TPHXDiesel Fuel	12.3		ug/g	U		Soil	OU4-03
UC44301GV	CFA-31	TPH	TPHXDiesel Fuel	12.3		ug/g	U		Soil	OU4-03
UC44401GV	CFA-31	TPH	TPHXDiesel Fuel	12.4		ug/g	U		Soil	OU4-03
UC44501GV	CFA-31	TPH	TPHXDiesel Fuel	5610		ug/g			Soil	OU4-03
UC44001TV	CFA-31	VOASXTCLP	1,1-Dichloroethene	25		ug/L	U		Soil	OU4-03
UC44101TV	CFA-31	VOASXTCLP	1,1-Dichloroethene	25		ug/L	U		Soil	OU4-03
UC44201TV	CFA-31	VOASXTCLP	1,1-Dichloroethene	25		ug/L	U		Soil	OU4-03
UC44202TV	CFA-31	VOASXTCLP	1,1-Dichloroethene	25		ug/L	U		Soil	OU4-03
UC44301TV	CFA-31	VOASXTCLP	1,1-Dichloroethene	25		ug/L	U		Soil	OU4-03
UC44401TV	CFA-31	VOASXTCLP	1,1-Dichloroethene	25		ug/L	U		Soil	OU4-03
UC44501T1TV	CFA-31	VOASXTCLP	1,1-Dichloroethene	25		ug/L	U		Water	OU4-03
UC44001TV	CFA-31	VOASXTCLP	1,2-Dichloroethane	25		ug/L	U		Soil	OU4-03
UC44101TV	CFA-31	VOASXTCLP	1,2-Dichloroethane	25		ug/L	U		Soil	OU4-03

Table K-4-13. (continued).

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	Typ Locat
UC44201TV	CFA-31	VOASXTCLP	1,2-Dichloroethane	25		ug/L	U	Soil	OU4-03/
UC44202TV	CFA-31	VOASXTCLP	1,2-Dichloroethane	25		ug/L	U	Soil	OU4-03/
UC44301TV	CFA-31	VOASXTCLP	1,2-Dichloroethane	25		ug/L	U	Soil	OU4-03/
UC44401TV	CFA-31	VOASXTCLP	1,2-Dichloroethane	25		ug/L	U	Soil	OU4-03/
UC44501T1TV	CFA-31	VOASXTCLP	1,2-Dichloroethane	25		ug/L	U	Water	OU4-03/
UC44001TV	CFA-31	VOASXTCLP	2-Butanone	50		ug/L	U	Soil	OU4-03/
UC44101TV	CFA-31	VOASXTCLP	2-Butanone	50		ug/L	U	Soil	OU4-03/
UC44201TV	CFA-31	VOASXTCLP	2-Butanone	50		ug/L	U	Soil	OU4-03/
UC44202TV	CFA-31	VOASXTCLP	2-Butanone	50		ug/L	U	Soil	OU4-03/
UC44301TV	CFA-31	VOASXTCLP	2-Butanone	50		ug/L	U	Soil	OU4-03/
UC44401TV	CFA-31	VOASXTCLP	2-Butanone	50		ug/L	U	Soil	OU4-03/
UC44501T1TV	CFA-31	VOASXTCLP	2-Butanone	50		ug/L	U	Water	OU4-03/
UC44001TV	CFA-31	VOASXTCLP	Benzene	25		ug/L	U	Soil	OU4-03/
UC44101TV	CFA-31	VOASXTCLP	Benzene	25		ug/L	U	Soil	OU4-03/
UC44201TV	CFA-31	VOASXTCLP	Benzene	25		ug/L	U	Soil	OU4-03/
UC44202TV	CFA-31	VOASXTCLP	Benzene	25		ug/L	U	Soil	OU4-03/
UC44301TV	CFA-31	VOASXTCLP	Benzene	25		ug/L	U	Soil	OU4-03/
UC44401TV	CFA-31	VOASXTCLP	Benzene	25		ug/L	U	Soil	OU4-03/
UC44501T1TV	CFA-31	VOASXTCLP	Benzene	25		ug/L	U	Water	OU4-03/
UC44001TV	CFA-31	VOASXTCLP	Carbon Tetrachloride	25		ug/L	U	Soil	OU4-03/
UC44101TV	CFA-31	VOASXTCLP	Carbon Tetrachloride	25		ug/L	U	Soil	OU4-03/
UC44201TV	CFA-31	VOASXTCLP	Carbon Tetrachloride	25		ug/L	U	Soil	OU4-03/
UC44202TV	CFA-31	VOASXTCLP	Carbon Tetrachloride	25		ug/L	U	Soil	OU4-03/
UC44301TV	CFA-31	VOASXTCLP	Carbon Tetrachloride	25		ug/L	U	Soil	OU4-03/
UC44401TV	CFA-31	VOASXTCLP	Carbon Tetrachloride	25		ug/L	U	Soil	OU4-03/

Table K-4-13. (continued).

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	Typ Locati
UC44501T1TV	CFA-31	VOASXTCLP	Carbon Tetrachloride	25		ug/L	U	Water	OU4-03/
UC44001TV	CFA-31	VOASXTCLP	Chlorobenzene	25		ug/L	U	Soil	OU4-03/
UC44101TV	CFA-31	VOASXTCLP	Chlorobenzene	25		ug/L	U	Soil	OU4-03/
UC44201TV	CFA-31	VOASXTCLP	Chlorobenzene	25		ug/L	U	Soil	OU4-03/
UC44202TV	CFA-31	VOASXTCLP	Chlorobenzene	25		ug/L	U	Soil	OU4-03/
UC44301TV	CFA-31	VOASXTCLP	Chlorobenzene	25		ug/L	U	Soil	OU4-03/
UC44401TV	CFA-31	VOASXTCLP	Chlorobenzene	25		ug/L	U	Soil	OU4-03/
UC44501T1TV	CFA-31	VOASXTCLP	Chlorobenzene	25		ug/L	U	Water	OU4-03/
UC44001TV	CFA-31	VOASXTCLP	Chloroform	25		ug/L	U	Soil	OU4-03/
UC44101TV	CFA-31	VOASXTCLP	Chloroform	25		ug/L	U	Soil	OU4-03/
UC44201TV	CFA-31	VOASXTCLP	Chloroform	25		ug/L	U	Soil	OU4-03/
UC44202TV	CFA-31	VOASXTCLP	Chloroform	25		ug/L	U	Soil	OU4-03/
UC44301TV	CFA-31	VOASXTCLP	Chloroform	25		ug/L	U	Soil	OU4-03/
UC44401TV	CFA-31	VOASXTCLP	Chloroform	25		ug/L	U	Soil	OU4-03/
UC44501T1TV	CFA-31	VOASXTCLP	Chloroform	25		ug/L	U	Water	OU4-03/
UC44001TV	CFA-31	VOASXTCLP	Tetrachloroethene	25		ug/L	U	Soil	OU4-03/
UC44101TV	CFA-31	VOASXTCLP	Tetrachloroethene	25		ug/L	U	Soil	OU4-03/
UC44201TV	CFA-31	VOASXTCLP	Tetrachloroethene	25		ug/L	U	Soil	OU4-03/
UC44202TV	CFA-31	VOASXTCLP	Tetrachloroethene	25		ug/L	U	Soil	OU4-03/
UC44301TV	CFA-31	VOASXTCLP	Tetrachloroethene	25		ug/L	U	Soil	OU4-03/
UC44401TV	CFA-31	VOASXTCLP	Tetrachloroethene	25		ug/L	U	Soil	OU4-03/
UC44501T1TV	CFA-31	VOASXTCLP	Tetrachloroethene	25		ug/L	U	Water	OU4-03/
UC44001TV	CFA-31	VOASXTCLP	Trichloroethene	25		ug/L	U	Soil	OU4-03/
UC44101TV	CFA-31	VOASXTCLP	Trichloroethene	350		ug/L		Soil	OU4-03/
UC44201TV	CFA-31	VOASXTCLP	Trichloroethene	55		ug/L		Soil	OU4-03/

Table K-4-13. (continued).

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	Typ Locati
UC44202TV	CFA-31	VOASXTCLP	Trichloroethene	25		ug/L	U	Soil	OU4-03/
UC44301TV	CFA-31	VOASXTCLP	Trichloroethene	25		ug/L	U	Soil	OU4-03/
UC44401TV	CFA-31	VOASXTCLP	Trichloroethene	25		ug/L	U	Soil	OU4-03/
UC44501T1TV	CFA-31	VOASXTCLP	Trichloroethene	500		ug/L		Water	OU4-03/
UC44001TV	CFA-31	VOASXTCLP	Vinyl Chloride	50		ug/L	U	Soil	OU4-03/
UC44101TV	CFA-31	VOASXTCLP	Vinyl Chloride	50		ug/L	U	Soil	OU4-03/
UC44201TV	CFA-31	VOASXTCLP	Vinyl Chloride	50		ug/L	U	Soil	OU4-03/
UC44202TV	CFA-31	VOASXTCLP	Vinyl Chloride	50		ug/L	U	Soil	OU4-03/
UC44301TV	CFA-31	VOASXTCLP	Vinyl Chloride	50		ug/L	U	Soil	OU4-03/
UC44401TV	CFA-31	VOASXTCLP	Vinyl Chloride	50		ug/L	U	Soil	OU4-03/
UC44501T1TV	CFA-31	VOASXTCLP	Vinyl Chloride	50		ug/L	U	Water	OU4-03/

Table K-4-14. Data for CFA-32.

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	Ty Loca
UC20001T1	CFA-32	BTEX	Benzene	0.05		ug/g	U	Soil	OU4-0
UC20101T1	CFA-32	BTEX	Benzene	0.05		ug/g	U	Soil	OU4-0
UC20201T1	CFA-32	BTEX	Benzene	0.05		ug/g	U	Soil	OU4-0
UC20202T1	CFA-32	BTEX	Benzene	0.05		ug/g	U	Soil	OU4-0
UC20301T1	CFA-32	BTEX	Benzene	0.05		ug/g	U	Soil	OU4-0
UC20401T1	CFA-32	BTEX	Benzene	0.05		ug/g	U	Soil	OU4-0
UC20001T1	CFA-32	BTEX	Ethylbenzene	0.05		ug/g	U	Soil	OU4-0
UC20101T1	CFA-32	BTEX	Ethylbenzene	0.05		ug/g	U	Soil	OU4-0
UC20201T1	CFA-32	BTEX	Ethylbenzene	0.05		ug/g	U	Soil	OU4-0
UC20202T1	CFA-32	BTEX	Ethylbenzene	0.05		ug/g	U	Soil	OU4-0
UC20301T1	CFA-32	BTEX	Ethylbenzene	0.05		ug/g	U	Soil	OU4-0
UC20401T1	CFA-32	BTEX	Ethylbenzene	0.05		ug/g	U	Soil	OU4-0
UC20001T1	CFA-32	BTEX	Toluene	0.05		ug/g	U	Soil	OU4-0
UC20101T1	CFA-32	BTEX	Toluene	0.05		ug/g	U	Soil	OU4-0
UC20201T1	CFA-32	BTEX	Toluene	0.05		ug/g	U	Soil	OU4-0
UC20202T1	CFA-32	BTEX	Toluene	0.05		ug/g	U	Soil	OU4-0
UC20301T1	CFA-32	BTEX	Toluene	0.05		ug/g	U	Soil	OU4-0
UC20401T1	CFA-32	BTEX	Toluene	0.05		ug/g	U	Soil	OU4-0
UC20001T1	CFA-32	BTEX	Xylene (total)	0.1		ug/g	U	Soil	OU4-0
UC20101T1	CFA-32	BTEX	Xylene (total)	0.1		ug/g	U	Soil	OU4-0
UC20201T1	CFA-32	BTEX	Xylene (total)	0.1		ug/g	U	Soil	OU4-0
UC20202T1	CFA-32	BTEX	Xylene (total)	0.1		ug/g	U	Soil	OU4-0
UC20301T1	CFA-32	BTEX	Xylene (total)	0.1		ug/g	U	Soil	OU4-0
UC20401T1	CFA-32	BTEX	Xylene (total)	0.1		ug/g	U	Soil	OU4-0
CFA667NLL01	CFA-32	HYDROCARBON	1,2-Dichloroethene (total)	500		%	U	Liquid	OU4-0
CFA667NLL01	CFA-32	HYDROCARBON	1,2-Dichloroethene (total)	500		ppm	U	Liquid	OU4-0

Table K-4-14. (continued).

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	Ty Loca
CFA667NLL01	CFA-32	HYDROCARBON	>C33	0		%		Liquid	OU4-0
CFA667NLL01	CFA-32	HYDROCARBON	>C33	0		ppm		Liquid	OU4-0
CFA667NLL01	CFA-32	HYDROCARBON	C13BC16	54.5		%		Liquid	OU4-0
CFA667NLL01	CFA-32	HYDROCARBON	C13BC16	54.5		ppm		Liquid	OU4-0
CFA667NLL01	CFA-32	HYDROCARBON	C17BC20	33		%		Liquid	OU4-0
CFA667NLL01	CFA-32	HYDROCARBON	C17BC20	33		ppm		Liquid	OU4-0
CFA667NLL01	CFA-32	HYDROCARBON	C21BC24	2.1		%		Liquid	OU4-0
CFA667NLL01	CFA-32	HYDROCARBON	C21BC24	2.1		ppm		Liquid	OU4-0
CFA667NLL01	CFA-32	HYDROCARBON	C25BC28	0		%		Liquid	OU4-0
CFA667NLL01	CFA-32	HYDROCARBON	C25BC28	0		ppm		Liquid	OU4-0
CFA667NLL01	CFA-32	HYDROCARBON	C29BC32	0		%		Liquid	OU4-0
CFA667NLL01	CFA-32	HYDROCARBON	C29BC32	0		ppm		Liquid	OU4-0
CFA667NLL01	CFA-32	HYDROCARBON	C5BC8	0		%		Liquid	OU4-0
CFA667NLL01	CFA-32	HYDROCARBON	C5BC8	0		ppm		Liquid	OU4-0
CFA667NLL01	CFA-32	HYDROCARBON	C9BC12	10.3		%		Liquid	OU4-0
CFA667NLL01	CFA-32	HYDROCARBON	C9BC12	10.3		ppm		Liquid	OU4-0
UC20001T1	CFA-32	TPH	TPHXDiesel Fuel	0.01		mg/g	U	Soil	OU4-0
UC20101T1	CFA-32	TPH	TPHXDiesel Fuel	0.01		mg/g	U	Soil	OU4-0
UC20201T1	CFA-32	TPH	TPHXDiesel Fuel	0.01		mg/g	U	Soil	OU4-0
UC20202T1	CFA-32	TPH	TPHXDiesel Fuel	0.03		mg/g		Soil	OU4-0
UC20301T1	CFA-32	TPH	TPHXDiesel Fuel	0.01		mg/g	U	Soil	OU4-0
UC20401T1	CFA-32	TPH	TPHXDiesel Fuel	0.01		mg/g	U	Soil	OU4-0

Table K-4-15. Data for CFA-34.

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	Type Location	Location	Deptl Rang
UC26001T1	CFA-34	BTEX	Benzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA674S	
UC26101T1	CFA-34	BTEX	Benzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA674S	
UC26201T1	CFA-34	BTEX	Benzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA674S	
UC26202T1	CFA-34	BTEX	Benzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA674S	
UC26301T1	CFA-34	BTEX	Benzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA674S	
UC26401T1	CFA-34	BTEX	Benzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA674S	
UC26001T1	CFA-34	BTEX	Ethylbenzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA674S	
UC26101T1	CFA-34	BTEX	Ethylbenzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA674S	
UC26201T1	CFA-34	BTEX	Ethylbenzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA674S	
UC26202T1	CFA-34	BTEX	Ethylbenzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA674S	
UC26301T1	CFA-34	BTEX	Ethylbenzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA674S	
UC26401T1	CFA-34	BTEX	Ethylbenzene	0.05		ug/g	U	Soil	OU4-03/UST	CFA674S	
UC26001T1	CFA-34	BTEX	Toluene	0.05		ug/g	U	Soil	OU4-03/UST	CFA674S	
UC26101T1	CFA-34	BTEX	Toluene	0.05		ug/g	U	Soil	OU4-03/UST	CFA674S	
UC26201T1	CFA-34	BTEX	Toluene	0.05		ug/g	U	Soil	OU4-03/UST	CFA674S	
UC26202T1	CFA-34	BTEX	Toluene	0.05		ug/g	U	Soil	OU4-03/UST	CFA674S	
UC26301T1	CFA-34	BTEX	Toluene	0.05		ug/g	U	Soil	OU4-03/UST	CFA674S	
UC26401T1	CFA-34	BTEX	Toluene	0.05		ug/g	U	Soil	OU4-03/UST	CFA674S	
UC26001T1	CFA-34	BTEX	Xylene (total)	0.1		ug/g	U	Soil	OU4-03/UST	CFA674S	
UC26101T1	CFA-34	BTEX	Xylene (total)	0.1		ug/g	U	Soil	OU4-03/UST	CFA674S	
UC26201T1	CFA-34	BTEX	Xylene (total)	0.1		ug/g	U	Soil	OU4-03/UST	CFA674S	
UC26202T1	CFA-34	BTEX	Xylene (total)	0.1		ug/g	U	Soil	OU4-03/UST	CFA674S	
UC26301T1	CFA-34	BTEX	Xylene (total)	0.1		ug/g	U	Soil	OU4-03/UST	CFA674S	
UC26401T1	CFA-34	BTEX	Xylene (total)	0.1		ug/g	U	Soil	OU4-03/UST	CFA674S	
UC26001T1	CFA-34	TPH	TPHXFuel Oil	0.29		mg/g		Soil	OU4-03/UST	CFA674S	
UC26101T1	CFA-34	TPH	TPHXFuel Oil	0.03		mg/g		Soil	OU4-03/UST	CFA674S	

Table K-4-15. (continued).

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	Type Location	Location	Deptl Rang
UC26201T1	CFA-34	TPH	TPHXFuel Oil	0.01		mg/g	U	Soil	OU4-03/UST	CFA674S	
UC26202T1	CFA-34	TPH	TPH-- Fuel Oil	0.03		mg/g		Soil	OU4-03/UST	CFA674S	
UC26301T1	CFA-34	TPH	TPHXFuel Oil	0.01		mg/g	U	Soil	OU4-03/UST	CFA674S	
UC26401T1	CFA-34	TPH	TPHXFuel Oil	0.28		mg/g		Soil	OU4-03/UST	CFA674S	

Table K-4-16. Data for CFA-37.

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	Typ Locati
UC32001T1	CFA-37	BTEX	Benzene	0.05		ug/g	U	Soil	OU4-03/
UC32101T1	CFA-37	BTEX	Benzene	0.05		ug/g	U	Soil	OU4-03/
UC32201T1	CFA-37	BTEX	Benzene	0.05		ug/g	U	Soil	OU4-03/
UC32202T1	CFA-37	BTEX	Benzene	0.05		ug/g	U	Soil	OU4-03/
UC32301T1	CFA-37	BTEX	Benzene	0.05		ug/g	U	Soil	OU4-03/
UC32401T1	CFA-37	BTEX	Benzene	0.05		ug/g	U	Soil	OU4-03/
UC32001T1	CFA-37	BTEX	Ethylbenzene	0.05		ug/g	U	Soil	OU4-03/
UC32101T1	CFA-37	BTEX	Ethylbenzene	0.05		ug/g	U	Soil	OU4-03/
UC32201T1	CFA-37	BTEX	Ethylbenzene	0.05		ug/g	U	Soil	OU4-03/
UC32202T1	CFA-37	BTEX	Ethylbenzene	0.05		ug/g	U	Soil	OU4-03/
UC32301T1	CFA-37	BTEX	Ethylbenzene	0.05		ug/g	U	Soil	OU4-03/
UC32401T1	CFA-37	BTEX	Ethylbenzene	0.05		ug/g	U	Soil	OU4-03/
UC32001T1	CFA-37	BTEX	Toluene	0.05		ug/g	U	Soil	OU4-03/
UC32101T1	CFA-37	BTEX	Toluene	0.05		ug/g	U	Soil	OU4-03/
UC32201T1	CFA-37	BTEX	Toluene	0.05		ug/g	U	Soil	OU4-03/
UC32202T1	CFA-37	BTEX	Toluene	0.05		ug/g	U	Soil	OU4-03/
UC32301T1	CFA-37	BTEX	Toluene	0.05		ug/g	U	Soil	OU4-03/
UC32401T1	CFA-37	BTEX	Toluene	0.05		ug/g	U	Soil	OU4-03/
UC32001T1	CFA-37	BTEX	Xylene (total)	0.1		ug/g	U	Soil	OU4-03/
UC32101T1	CFA-37	BTEX	Xylene (total)	0.1		ug/g	U	Soil	OU4-03/
UC32201T1	CFA-37	BTEX	Xylene (total)	0.1		ug/g	U	Soil	OU4-03/
UC32202T1	CFA-37	BTEX	Xylene (total)	0.1		ug/g	U	Soil	OU4-03/
UC32301T1	CFA-37	BTEX	Xylene (total)	0.1		ug/g	U	Soil	OU4-03/
UC32401T1	CFA-37	BTEX	Xylene (total)	0.1		ug/g	U	Soil	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	1,2,4,5-Tetrachlorobenzene	9900		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	1,2,4,5-Tetrachlorobenzene	198000		ug/Kg	U	Liqui	OU4-03/

Table K-4-16. (continued).

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	Typ Locati
CFA681LL01	CFA-37	SEMISXBOA	1,2,4-Trichlorobenzene	9900		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	1,2,4-Trichlorobenzene	198000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	1,2-Dichlorobenzene	9900		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	1,2-Dichlorobenzene	198000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	1,3-Dichlorobenzene	9900		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	1,3-Dichlorobenzene	198000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	1,3-Dinitrobenzene	19500		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	1,3-Dinitrobenzene	390000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	1,4-Dichlorobenzene	9900		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	1,4-Dichlorobenzene	198000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	1,4-Naphthoquinone	9900		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	1,4-Naphthoquinone	198000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	1-Naphthylamine	9900		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	1-Naphthylamine	198000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	2,3,4,6-Tetrachlorophenol	9900		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	2,3,4,6-Tetrachlorophenol	198000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	2,4,5-Trichlorophenol	9900		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	2,4,5-Trichlorophenol	198000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	2,4,6-Trichlorophenol	9900		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	2,4,6-Trichlorophenol	198000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	2,4-Dichlorophenol	9900		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	2,4-Dichlorophenol	198000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	2,4-Dimethylphenol	9900		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	2,4-Dimethylphenol	198000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	2,4-Dinitrophenol	49500		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	2,4-Dinitrophenol	990000		ug/Kg	U	Liqui	OU4-03/

Table K-4-16. (continued).

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	Typ Locati
CFA681LL01	CFA-37	SEMISXBOA	2,4-Dinitrotoluene	9900		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	2,4-Dinitrotoluene	198000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	2,6-Dinitrotoluene	9900		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	2,6-Dinitrotoluene	198000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	2-Chloronaphthalene	9900		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	2-Chloronaphthalene	198000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	2-Chlorophenol	9900		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	2-Chlorophenol	198000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	2-Methylnaphthalene	9900		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	2-Methylnaphthalene	3105310		ug/Kg		Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	2-Methylphenol	9900		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	2-Methylphenol	198000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	2-Naphthylamine	9900		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	2-Naphthylamine	198000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	2-Nitroaniline	49500		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	2-Nitroaniline	990000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	2-Nitrophenol	9900		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	2-Nitrophenol	198000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	2-Picoline	49500		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	2-Picoline	990000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	3,3'-Dichlorobenzidine	19500		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	3,3'-Dichlorobenzidine	390000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	3-Methylcholanthrene	9900		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	3-Methylcholanthrene	198000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	3-Nitroaniline	49500		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	3-Nitroaniline	990000		ug/Kg	U	Liqui	OU4-03/

Table K-4-16. (continued).

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	Typ Locati
CFA681LL01	CFA-37	SEMISXBOA	4,4'-DDD	19500		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	4,4'-DDD	390000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	4,4'-DDE	19500		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	4,4'-DDE	390000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	4,4'-DDT	19500		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	4,4'-DDT	390000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	4,6-Dinitro-2-methylphenol	49500		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	4,6-Dinitro-2-methylphenol	990000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	4-Bromophenyl-phenylether	9900		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	4-Bromophenyl-phenylether	198000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	4-Chloro-3-methylphenol	19500		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	4-Chloro-3-methylphenol	390000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	4-Chloroaniline	19500		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	4-Chloroaniline	390000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	4-Chlorophenyl-phenylether	9900		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	4-Chlorophenyl-phenylether	198000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	4-Methylphenol	9900		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	4-Methylphenol	198000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	4-Nitroaniline	49500		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	4-Nitroaniline	990000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	4-Nitrophenol	49500		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	4-Nitrophenol	990000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	7,12-Dimethylbenz(a)-anthracene	9900		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	7,12-Dimethylbenz(a)-anthracene	198000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	Acenaphthene	9900		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	Acenaphthene	198000		ug/Kg	U	Liqui	OU4-03/

Table K-4-16. (continued).

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	Typ Locati
CFA681LL01	CFA-37	SEMISXBOA	Acenaphthylene	9900		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	Acenaphthylene	198000		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	Acetophenone	9900		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	Acetophenone	198000		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	Aldrin	19500		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	Aldrin	390000		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	Alpha-BHC	19500		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	Alpha-BHC	390000		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	Aniline	9900		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	Aniline	198000		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	Anthracene	9900		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	Anthracene	198000		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	Benzo(a)anthracene	9900		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	Benzo(a)anthracene	198000		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	Benzo(a)pyrene	9900		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	Benzo(a)pyrene	198000		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	Benzo(b)fluoranthene	9900		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	Benzo(b)fluoranthene	198000		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	Benzo(g,h,i)perylene	9900		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	Benzo(g,h,i)perylene	198000		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	Benzo(k)fluoranthene	9900		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	Benzo(k)fluoranthene	198000		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	Benzoic acid	49500		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	Benzoic acid	990000		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	Benzyl alcohol	19500		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	Benzyl alcohol	390000		ug/Kg	U	Liqui	OU4-03

Table K-4-16. (continued).

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	Typ Locati
CFA681LL01	CFA-37	SEMISXBOA	Beta-BHC	19500		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	Beta-BHC	390000		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	Butylbenzylphthalate	9900		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	Butylbenzylphthalate	198000		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISBOA	Chrysene	9900		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISBOA	Chrysene	198000		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISBOA	Delta-BHC	19500		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISBOA	Delta-BHC	390000		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISBOA	Di-n-butylphthalate	9900		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISBOA	Di-n-butylphthalate	198000		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISBOA	Di-n-octylphthalate	9900		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISBOA	Di-n-octylphthalate	198000		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISBOA	Dibenz(a,h)anthracene	9900		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISBOA	Dibenz(a,h)anthracene	198000		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISBOA	Dibenzofuran	9900		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISBOA	Dibenzofuran	198000		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISBOA	Dieldrin	19500		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISBOA	Dieldrin	390000		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISBOA	Diethylphthalate	9900		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISBOA	Diethylphthalate	198000		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISBOA	Dimethylphthalate	9900		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISBOA	Dimethylphthalate	198000		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISBOA	Diphenylamine	9900		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISBOA	Diphenylamine	198000		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISBOA	Endosulfan I	19500		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISBOA	Endosulfan I	390000		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISBOA	Endosulfan II	19500		ug/Kg	U	Liqui	OU4-03

Table K-4-16. (continued).

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	Typ Locati
CFA681LL01	CFA-37	SEMISBOA	Endosulfan II	390000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISBOA	Endosulfan sulfate	19500		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISBOA	Endosulfan sulfate	390000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISBOA	Endrin	19500		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	Endrin	390000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	Endrin ketone	19500		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	Endrin ketone	390000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	Ethyl methanesulfonate	19500		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	Ethyl methanesulfonate	390000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	Fluoranthene	9900		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	Fluoranthene	198000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	Fluorene	9900		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	Fluorene	198000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	Heptachlor	19500		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	Heptachlor	390000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	Heptachlor epoxide	19500		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	Heptachlor epoxide	390000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	Hexachlorobenzene	9900		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	Hexachlorobenzene	198000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	Hexachlorobutadiene	9900		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	Hexachlorobutadiene	198000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	Hexachlorocyclopentadiene	9900		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	Hexachlorocyclopentadiene	198000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	Hexachloroethane	9900		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	Hexachloroethane	198000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	Hexachlorophene	49500		ug/Kg	U	Liqui	OU4-03/

Table K-4-16. (continued).

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	Typ Locati
CFA681LL01	CFA-37	SEMISXBOA	Hexachlorophene	990000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	Indeno(1,2,3-cd)pyrene	9900		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	Indeno(1,2,3-cd)pyrene	198000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	Isophorone	9900		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISBOA	Isophorone	198000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	Methoxychlor	19500		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	Methoxychlor	390000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	Methylmethanesulfonate	9900		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	Methylmethanesulfonate	198000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	N-Nirtosopiperidine	49500		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	N-Nirtosopiperidine	990000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	N-Nitroso-di-n-butylamine	9900		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	N-Nitroso-di-n-butylamine	198000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	N-Nitroso-di-n-propylamine	9900		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	N-Nitroso-di-n-propylamine	198000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	N-Nitrosodimethylamine	9900		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	N-Nitrosodimethylamine	198000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	N-Nitrosodiphenylamine	9900		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	N-Nitrosodiphenylamine	198000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	Naphthalene	9900		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	Naphthalene	1045080		ug/Kg		Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	Nitrobenzene	9900		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	Nitrobenzene	198000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	Pentachlorobenzene	9900		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	Pentachlorobenzene	198000		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	SEMISXBOA	Pentachloronitrobenzene	19500		ug/Kg	U	Liqui	OU4-03/

Table K-4-16. (continued).

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	Typ Locat
CFA681LL01	CFA-37	SEMISXBOA	Pentachloronitrobenzene	390000		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	Pentachlorophenol	49500		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	Pentachlorophenol	990000		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	Phenacetin	19500		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	Phenacetin	390000		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	Phenanthrene	9900		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	Phenanthrene	198000		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	Phenol	9900		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	Phenol	198000		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	Pronamide	9900		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	Pronamide	198000		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	Pyrene	9900		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	Pyrene	198000		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	a,a-Dimethylphenethylamine	19500		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	a,a-Dimethylphenethylamine	390000		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	bis(2-Chloroethoxy)methane	9900		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	bis(2-Chloroethoxy)methane	198000		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	bis(2-Chloroethyl)ether	9900		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	bis(2-Chloroethyl)ether	198000		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	bis(2-Chloroisopropyl)ether	9900		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	bis(2-Chloroisopropyl)ether	198000		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	bis(2-Ethylhexyl)phthalate	9900		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	bis(2-Ethylhexyl)phthalate	198000		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	gamma-BHC (Lindane)	19500		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	gamma-BHC (Lindane)	390000		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	SEMISXBOA	p-(Dimethylamino)azobenzene	9900		ug/Kg	U	Liqui	OU4-03

Table K-4-16. (continued).

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	Typ Locati
CFA681LL01	CFA-37	SEMISXBOA	p-(Dimethylamino)azobenzene	198000		ug/Kg	U	Liqui	OU4-03/
UC32001T1	CFA-37	TPH	TPHXDiesel Fuel	0.01		mg/g		Soil	OU4-03/
UC32101T1	CFA-37	TPH	TPHXDiesel Fuel	0.18		mg/g		Soil	OU4-03/
UC32201T1	CFA-37	TPH	TPHXDiesel Fuel	0.02		mg/g		Soil	OU4-03/
UC32202T1	CFA-37	TPH	TPHXDiesel Fuel	0.01		mg/g	U	Soil	OU4-03/
UC32301T1	CFA-37	TPH	TPHXDiesel Fuel	0.16		mg/g		Soil	OU4-03/
UC32401T1	CFA-37	TPH	TPHXDiesel Fuel	0.15		mg/g		Soil	OU4-03/
CFA681LL01	CFA-37	VOASXBOA	1,1,1-Trichloroethane	3817		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	VOASXBOA	1,1,1-Trichloroethane	204918		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	VOASXBOA	1,1,2,2-Tetrachloroethane	3817		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	VOASXBOA	1,1,2,2-Tetrachloroethane	204918		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	VOASXBOA	1,1,2-Trichloroethane	3817		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	VOASXBOA	1,1,2-Trichloroethane	204918		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	VOASXBOA	1,1-Dichloroethane	3817		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	VOASXBOA	1,1-Dichloroethane	204918		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	VOASXBOA	1,1-Dichloroethene	3817		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	VOASXBOA	1,1-Dichloroethene	204918		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	VOASXBOA	1,2,3-Trichloropropane	3817		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	VOASXBOA	1,2,3-Trichloropropane	204918		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	VOASXBOA	1,2-Dichlorobenzene	7634		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	VOASXBOA	1,2-Dichlorobenzene	409836		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	VOASXBOA	1,2-Dichloroethane	3817		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	VOASXBOA	1,2-Dichloroethane	204918		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	VOASXBOA	1,2-Dichloroethene (total)	3817		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	VOASXBOA	1,2-Dichloroethene (total)	204918		ug/Kg	U	Liqui	OU4-03/
CFA681LL01	CFA-37	VOASXBOA	1,2-Dichloropropane	3817		ug/Kg	U	Liqui	OU4-03/

Table K-4-16. (continued).

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	Typ Locat
CFA681LL01	CFA-37	VOASXBOA	1,2-Dichloropropane	204918		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	1,3-Dichlorobenzene	7634		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	1,3-Dichlorobenzene	409836		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	1,4-Dichlorobenzene	7634		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	1,4-Dichlorobenzene	409836		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	2-Butanone	76336		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	2-Butanone	4098361		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	2-Chloroethylvinyl ether	7634		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	2-Chloroethylvinyl ether	409836		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	2-Hexanone	38168		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	2-Hexanone	2049180		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	4-Methyl-2-Pentanone	38168		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	4-Methyl-2-Pentanone	2049180		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Acetone	3382		ug/Kg	J	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Acetone	4098361		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Acrolein	38168		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Acrolein	2049180		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Acrylonitrile	76336		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Acrylonitrile	4098361		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Benzene	3817		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Benzene	204918		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Bromodichloromethane	3817		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Bromodichloromethane	204918		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Bromoform	3817		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Bromoform	204918		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Bromomethane	7634		ug/Kg	U	Liqui	OU4-03

Table K-4-16. (continued).

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	Typ Locati
CFA681LL01	CFA-37	VOASXBOA	Bromomethane	409836		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Carbon Disulfide	3817		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Carbon Disulfide	204918		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Carbon Tetrachloride	3817		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Carbon Tetrachloride	204918		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Chlorobenzene	3817		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Chlorobenzene	204918		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Chloroethane	7634		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Chloroethane	409836		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Chloroform	3817		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Chloroform	204918		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Chloromethane	7634		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Chloromethane	409836		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Dibromochloromethane	3817		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Dibromochloromethane	204918		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Dibromomethane	15267		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Dibromomethane	819672		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Dichlorodifluoromethane	15267		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Dichlorodifluoromethane	819672		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Ethyl methacrylate	3817		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Ethyl methacrylate	204918		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Ethylbenzene	611		ug/Kg	J	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Ethylbenzene	200410		ug/Kg	J	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Iodomethane	15267		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Iodomethane	819672		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Methylene Chloride	2053		ug/Kg	J	Liqui	OU4-03

Table K-4-16. (continued).

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	Typ Locati
CFA681LL01	CFA-37	VOASXBOA	Methylene Chloride	534836		ug/Kg		Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Styrene	3817		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Styrene	204918		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Tetrachloroethene	3817		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Tetrachloroethene	204918		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Toluene	1351		ug/Kg	J	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Toluene	399180		ug/Kg		Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Trichloroethene	3817		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Trichloroethene	204918		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Trichlorofluoromethane	7634		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Trichlorofluoromethane	409836		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Vinyl Acetate	38168		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Vinyl Acetate	2049180		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Vinyl Chloride	7634		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Vinyl Chloride	409836		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Xylene (ortho)	1748		ug/Kg	J	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Xylene (ortho)	543443		ug/Kg		Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Xylene (total meta and para)	3588		ug/Kg	J	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	Xylene (total meta and para)	1041803		ug/Kg		Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	cis-1,3-Dichloropropene	3817		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	cis-1,3-Dichloropropene	204918		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	trans-1,3-Dichloropropene	3817		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	trans-1,3-Dichloropropene	204918		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	trans-1,4-Dicholoro-2-butene_	76336		ug/Kg	U	Liqui	OU4-03
CFA681LL01	CFA-37	VOASXBOA	trans-1,4-Dicholoro-2-butene_	4098361		ug/Kg	U	Liqui	OU4-03

Table K-4-17. Data for CFA-38.

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	L
CFA725UC34001GVTV	CFA-38	BTEX	Benzene	0.57		ug/kg	U	Soil	OU
CFA725UC34101GVTV	CFA-38	BTEX	Benzene	0.56		ug/kg	U	Soil	OU
CFA725UC34201GVTV	CFA-38	BTEX	Benzene	0.56		ug/kg	U	Soil	OU
CFA725UC34301GVTV	CFA-38	BTEX	Benzene	0.57		ug/kg	U	Soil	OU
CFA725UC34401GVTV	CFA-38	BTEX	Benzene	0.57		ug/kg	U	Soil	OU
CFA725UC34501GVTV	CFA-38	BTEX	Benzene	0.56		ug/kg	U	Soil	OU
CFA725UC34601GVTV	CFA-38	BTEX	Benzene	0.56		ug/kg	U	Soil	OU
CFA725UC34701GVTV	CFA-38	BTEX	Benzene	0.57		ug/kg	U	Soil	OU
CFA725UC34001GVTV	CFA-38	BTEX	Ethylbenzene	1.2		ug/kg	U	Soil	OU
CFA725UC34101GVTV	CFA-38	BTEX	Ethylbenzene	1.1		ug/kg	U	Soil	OU
CFA725UC34201GVTV	CFA-38	BTEX	Ethylbenzene	1.1		ug/kg	U	Soil	OU
CFA725UC34301GVTV	CFA-38	BTEX	Ethylbenzene	1.2		ug/kg	U	Soil	OU
CFA725UC34401GVTV	CFA-38	BTEX	Ethylbenzene	1.2		ug/kg	U	Soil	OU
CFA725UC34501GVTV	CFA-38	BTEX	Ethylbenzene	1.1		ug/kg	U	Soil	OU
CFA725UC34601GVTV	CFA-38	BTEX	Ethylbenzene	1.1		ug/kg	U	Soil	OU
CFA725UC34701GVTV	CFA-38	BTEX	Ethylbenzene	1.2		ug/kg	U	Soil	OU
CFA725UC34001GVTV	CFA-38	BTEX	Toluene	0.96		ug/kg	U	Soil	OU
CFA725UC34101GVTV	CFA-38	BTEX	Toluene	0.95		ug/kg	U	Soil	OU
CFA725UC34201GVTV	CFA-38	BTEX	Toluene	0.94		ug/kg	U	Soil	OU
CFA725UC34301GVTV	CFA-38	BTEX	Toluene	0.96		ug/kg	U	Soil	OU
CFA725UC34401GVTV	CFA-38	BTEX	Toluene	0.96		ug/kg	U	Soil	OU
CFA725UC34501GVTV	CFA-38	BTEX	Toluene	0.95		ug/kg	U	Soil	OU
CFA725UC34601GVTV	CFA-38	BTEX	Toluene	0.94		ug/kg	U	Soil	OU
CFA725UC34701GVTV	CFA-38	BTEX	Toluene	0.96		ug/kg	U	Soil	OU
CFA725UC34001GVTV	CFA-38	BTEX	Xylene (total)	3.6		ug/kg	U	Soil	OU
CFA725UC34101GVTV	CFA-38	BTEX	Xylene (total)	3.4		ug/kg	U	Soil	OU
CFA725UC34201GVTV	CFA-38	BTEX	Xylene (total)	3.3		ug/kg	U	Soil	OU

Table K-4-17. (continued).

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q	Flags	Matrix	L
CFA725UC34301GVTV	CFA-38	BTEX	Xylene (total)	3.6		ug/kg	U		Soil	OU
CFA725UC34401GVTV	CFA-38	BTEX	Xylene (total)	3.6		ug/kg	U		Soil	OU
CFA725UC34501GVTV	CFA-38	BTEX	Xylene (total)	3.4		ug/kg	U		Soil	OU
CFA725UC34601GVTV	CFA-38	BTEX	Xylene (total)	3.3		ug/kg	U		Soil	OU
CFA725UC34701GVTV	CFA-38	BTEX	Xylene (total)	3.6		ug/kg	U		Soil	OU
CFA725UC34001GVTV	CFA-38	INORGXTCLP	Arsenic	74		ug/L	U	P	Soil	OU
CFA725UC34101GVTV	CFA-38	INORGXTCLP	Arsenic	82		ug/L	B	P	Soil	OU
CFA725UC34201GVTV	CFA-38	INORGXTCLP	Arsenic	74		ug/L	U	P	Soil	OU
CFA725UC34301GVTV	CFA-38	INORGXTCLP	Arsenic	74		ug/L	U	P	Soil	OU
CFA725UC34401GVTV	CFA-38	INORGXTCLP	Arsenic	74		ug/L	U	P	Soil	OU
CFA725UC34501GVTV	CFA-38	INORGXTCLP	Arsenic	74		ug/L	U	P	Soil	OU
CFA725UC34601GVTV	CFA-38	INORGXTCLP	Arsenic	74		ug/L	U	P	Soil	OU
CFA725UC34701GVTV	CFA-38	INORGXTCLP	Arsenic	74		ug/L	U	P	Soil	OU
CFA725UC34001GVTV	CFA-38	INORGXTCLP	Barium	1170		ug/L	E	P	Soil	OU
CFA725UC34101GVTV	CFA-38	INORGXTCLP	Barium	543		ug/L	BE	P	Soil	OU
CFA725UC34201GVTV	CFA-38	INORGXTCLP	Barium	1880		ug/L	E	P	Soil	OU
CFA725UC34301GVTV	CFA-38	INORGXTCLP	Barium	610		ug/L	BE	P	Soil	OU
CFA725UC34401GVTV	CFA-38	INORGXTCLP	Barium	609		ug/L	BE	P	Soil	OU
CFA725UC34501GVTV	CFA-38	INORGXTCLP	Barium	1330		ug/L	E	P	Soil	OU
CFA725UC34601GVTV	CFA-38	INORGXTCLP	Barium	486		ug/L	BE	P	Soil	OU
CFA725UC34701GVTV	CFA-38	INORGXTCLP	Barium	927		ug/L	BE	P	Soil	OU
CFA725UC34001GVTV	CFA-38	INORGXTCLP	Cadmium	5		ug/L	B	P	Soil	OU
CFA725UC34101GVTV	CFA-38	INORGXTCLP	Cadmium	5		ug/L	U	P	Soil	OU
CFA725UC34201GVTV	CFA-38	INORGXTCLP	Cadmium	5		ug/L	U	P	Soil	OU
CFA725UC34301GVTV	CFA-38	INORGXTCLP	Cadmium	5		ug/L	U	P	Soil	OU
CFA725UC34401GVTV	CFA-38	INORGXTCLP	Cadmium	5		ug/L	U	P	Soil	OU

Table K-4-17. (continued).

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q	Flags	Matrix	L
CFA725UC34501GVTV	CFA-38	INORGXTCLP	Cadmium	5		ug/L	U	P	Soil	OU
CFA725UC34601GVTV	CFA-38	INORGXTCLP	Cadmium	5		ug/L	U	P	Soil	OU
CFA725UC34701GVTV	CFA-38	INORGXTCLP	Cadmium	5		ug/L	U	P	Soil	OU
CFA725UC34001GVTV	CFA-38	INORGXTCLP	Chromium	22		ug/L	B	P	Soil	OU
CFA725UC34101GVTV	CFA-38	INORGXTCLP	Chromium	18		ug/L	B	P	Soil	OU
CFA725UC34201GVTV	CFA-38	INORGXTCLP	Chromium	22		ug/L	B	P	Soil	OU
CFA725UC34301GVTV	CFA-38	INORGXTCLP	Chromium	20		ug/L	B	P	Soil	OU
CFA725UC34401GVTV	CFA-38	INORGXTCLP	Chromium	21		ug/L	B	P	Soil	OU
CFA725UC34501GVTV	CFA-38	INORGXTCLP	Chromium	16		ug/L	B	P	Soil	OU
CFA725UC34601GVTV	CFA-38	INORGXTCLP	Chromium	13		ug/L	B	P	Soil	OU
CFA725UC34701GVTV	CFA-38	INORGXTCLP	Chromium	13		ug/L	B	P	Soil	OU
CFA725UC34601GVTV	CFA-38	INORGXTCLP	Iron	100		ug/L	U	P	Soil	OU
CFA725UC34001GVTV	CFA-38	INORGXTCLP	Lead	100		ug/L	U	P	Soil	OU
CFA725UC34101GVTV	CFA-38	INORGXTCLP	Lead	100		ug/L	U	P	Soil	OU
CFA725UC34201GVTV	CFA-38	INORGXTCLP	Lead	100		ug/L	U	P	Soil	OU
CFA725UC34301GVTV	CFA-38	INORGXTCLP	Lead	100		ug/L	U	P	Soil	OU
CFA725UC34401GVTV	CFA-38	INORGXTCLP	Lead	100		ug/L	U	P	Soil	OU
CFA725UC34501GVTV	CFA-38	INORGXTCLP	Lead	100		ug/L	U	P	Soil	OU
CFA725UC34701GVTV	CFA-38	INORGXTCLP	Lead	100		ug/L	U	P	Soil	OU
CFA725UC34001GVTV	CFA-38	INORGXTCLP	Mercury	0.1		ug/L	U	CV	Soil	OU
CFA725UC34101GVTV	CFA-38	INORGXTCLP	Mercury	0.1		ug/L	U	CV	Soil	OU
CFA725UC34201GVTV	CFA-38	INORGXTCLP	Mercury	0.1		ug/L	U	CV	Soil	OU
CFA725UC34301GVTV	CFA-38	INORGXTCLP	Mercury	0.1		ug/L	U	CV	Soil	OU
CFA725UC34401GVTV	CFA-38	INORGXTCLP	Mercury	0.1		ug/L	U	CV	Soil	OU
CFA725UC34501GVTV	CFA-38	INORGXTCLP	Mercury	0.1		ug/L	U	CV	Soil	OU
CFA725UC34601GVTV	CFA-38	INORGXTCLP	Mercury	0.1		ug/L	U	CV	Soil	OU

Table K-4-17. (continued).

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	L
CFA725UC34701GVTV	CFA-38	INORGXTCLP	Mercury	0.1		ug/L	U CV	Soil	OU
CFA725UC34001GVTV	CFA-38	INORGXTCLP	Selenium	5		ug/L	UW F	Soil	OU
CFA725UC34101GVTV	CFA-38	INORGXTCLP	Selenium	5		ug/L	UW F	Soil	OU
CFA725UC34201GVTV	CFA-38	INORGXTCLP	Selenium	5		ug/L	UW F	Soil	OU
CFA725UC34301GVTV	CFA-38	INORGXTCLP	Selenium	7		ug/L	BW F	Soil	OU
CFA725UC34401GVTV	CFA-38	INORGXTCLP	Selenium	6.2		ug/L	BW F	Soil	OU
CFA725UC34501GVTV	CFA-38	INORGXTCLP	Selenium	5.8		ug/L	BW F	Soil	OU
CFA725UC34601GVTV	CFA-38	INORGXTCLP	Selenium	7		ug/L	BW F	Soil	OU
CFA725UC34701GVTV	CFA-38	INORGXTCLP	Selenium	7.2		ug/L	BW F	Soil	OU
CFA725UC34001GVTV	CFA-38	INORGXTCLP	Silver	8		ug/L	B P	Soil	OU
CFA725UC34101GVTV	CFA-38	INORGXTCLP	Silver	22		ug/L	B P	Soil	OU
CFA725UC34201GVTV	CFA-38	INORGXTCLP	Silver	19		ug/L	B P	Soil	OU
CFA725UC34301GVTV	CFA-38	INORGXTCLP	Silver	10		ug/L	B P	Soil	OU
CFA725UC34401GVTV	CFA-38	INORGXTCLP	Silver	14		ug/L	B P	Soil	OU
CFA725UC34501GVTV	CFA-38	INORGXTCLP	Silver	11		ug/L	B P	Soil	OU
CFA725UC34601GVTV	CFA-38	INORGXTCLP	Silver	18		ug/L	B P	Soil	OU
CFA725UC34701GVTV	CFA-38	INORGXTCLP	Silver	10		ug/L	B P	Soil	OU
CFA725UC34001GVTV	CFA-38	TPH	TPH - Diesel Fuel	11		ug/g	U	Soil	OU
CFA725UC34101GVTV	CFA-38	TPH	TPH - Diesel Fuel	10		ug/g	U	Soil	OU
CFA725UC34201GVTV	CFA-38	TPH	TPH - Diesel Fuel	10		ug/g	U	Soil	OU
CFA725UC34301GVTV	CFA-38	TPH	TPH - Diesel Fuel	427		ug/g		Soil	OU
CFA725UC34401GVTVDL	CFA-38	TPH	TPH - Diesel Fuel	373		ug/g		Soil	OU
CFA725UC34501GVTV	CFA-38	TPH	TPH - Diesel Fuel	10		ug/g	U	Soil	OU
CFA725UC34601GVTV	CFA-38	TPH	TPH - Diesel Fuel	10		ug/g	U	Soil	OU
CFA725UC34701GVTV	CFA-38	TPH	TPH - Diesel Fuel	11		ug/g	U	Soil	OU
CFA725UC34001GVTV	CFA-38	VOASXTCLP	1,1-Dichloroethene	25		ug/L	U	Soil	OU

Table K-4-17. (continued).

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	L
CFA725UC34101GVTV	CFA-38	VOASXTCLP	1,1-Dichloroethene	25		ug/L	U	Soil	OU
CFA725UC34201GVTV	CFA-38	VOASXTCLP	1,1-Dichloroethene	25		ug/L	U	Soil	OU
CFA725UC34301GVTV	CFA-38	VOASXTCLP	1,1-Dichloroethene	25		ug/L	U	Soil	OU
CFA725UC34401GVTV	CFA-38	VOASXTCLP	1,1-Dichloroethene	25		ug/L	U	Soil	OU
CFA725UC34501GVTV	CFA-38	VOASXTCLP	1,1-Dichloroethene	25		ug/L	U	Soil	OU
CFA725UC34601GVTV	CFA-38	VOASXTCLP	1,1-Dichloroethene	25		ug/L	U	Soil	OU
CFA725UC34701GVTV	CFA-38	VOASXTCLP	1,1-Dichloroethene	25		ug/L	U	Soil	OU
CFA725UC34001GVTV	CFA-38	VOASXTCLP	1,2-Dichloroethane	25		ug/L	U	Soil	OU
CFA725UC34101GVTV	CFA-38	VOASXTCLP	1,2-Dichloroethane	25		ug/L	U	Soil	OU
CFA725UC34201GVTV	CFA-38	VOASXTCLP	1,2-Dichloroethane	25		ug/L	U	Soil	OU
CFA725UC34301GVTV	CFA-38	VOASXTCLP	1,2-Dichloroethane	25		ug/L	U	Soil	OU
CFA725UC34401GVTV	CFA-38	VOASXTCLP	1,2-Dichloroethane	25		ug/L	U	Soil	OU
CFA725UC34501GVTV	CFA-38	VOASXTCLP	1,2-Dichloroethane	25		ug/L	U	Soil	OU
CFA725UC34601GVTV	CFA-38	VOASXTCLP	1,2-Dichloroethane	25		ug/L	U	Soil	OU
CFA725UC34701GVTV	CFA-38	VOASXTCLP	1,2-Dichloroethane	25		ug/L	U	Soil	OU
CFA725UC34001GVTV	CFA-38	VOASXTCLP	2-Butanone	50		ug/L	U	Soil	OU
CFA725UC34101GVTV	CFA-38	VOASXTCLP	2-Butanone	50		ug/L	U	Soil	OU
CFA725UC34201GVTV	CFA-38	VOASXTCLP	2-Butanone	50		ug/L	U	Soil	OU
CFA725UC34301GVTV	CFA-38	VOASXTCLP	2-Butanone	50		ug/L	U	Soil	OU
CFA725UC34401GVTV	CFA-38	VOASXTCLP	2-Butanone	50		ug/L	U	Soil	OU
CFA725UC34501GVTV	CFA-38	VOASXTCLP	2-Butanone	50		ug/L	U	Soil	OU
CFA725UC34601GVTV	CFA-38	VOASXTCLP	2-Butanone	50		ug/L	U	Soil	OU
CFA725UC34701GVTV	CFA-38	VOASXTCLP	2-Butanone	50		ug/L	U	Soil	OU
CFA725UC34001GVTV	CFA-38	VOASXTCLP	Benzene	25		ug/L	U	Soil	OU
CFA725UC34101GVTV	CFA-38	VOASXTCLP	Benzene	25		ug/L	U	Soil	OU
CFA725UC34201GVTV	CFA-38	VOASXTCLP	Benzene	25		ug/L	U	Soil	OU

Table K-4-17. (continued).

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	L
CFA725UC34301GVTV	CFA-38	VOASXTCLP	Benzene	25		ug/L	U	Soil	OU
CFA725UC34401GVTV	CFA-38	VOASXTCLP	Benzene	25		ug/L	U	Soil	OU
CFA725UC34501GVTV	CFA-38	VOASXTCLP	Benzene	25		ug/L	U	Soil	OU
CFA725UC34601GVTV	CFA-38	VOASXTCLP	Benzene	25		ug/L	U	Soil	OU
CFA725UC34701GVTV	CFA-38	VOASXTCLP	Benzene	25		ug/L	U	Soil	OU
CFA725UC34001GVTV	CFA-38	VOASXTCLP	Carbon Tetrachloride	25		ug/L	U	Soil	OU
CFA725UC34101GVTV	CFA-38	VOASXTCLP	Carbon Tetrachloride	25		ug/L	U	Soil	OU
CFA725UC34201GVTV	CFA-38	VOASXTCLP	Carbon Tetrachloride	25		ug/L	U	Soil	OU
CFA725UC34301GVTV	CFA-38	VOASXTCLP	Carbon Tetrachloride	25		ug/L	U	Soil	OU
CFA725UC34401GVTV	CFA-38	VOASXTCLP	Carbon Tetrachloride	25		ug/L	U	Soil	OU
CFA725UC34501GVTV	CFA-38	VOASXTCLP	Carbon Tetrachloride	25		ug/L	U	Soil	OU
CFA725UC34601GVTV	CFA-38	VOASXTCLP	Carbon Tetrachloride	25		ug/L	U	Soil	OU
CFA725UC34701GVTV	CFA-38	VOASXTCLP	Carbon Tetrachloride	25		ug/L	U	Soil	OU
CFA725UC34001GVTV	CFA-38	VOASXTCLP	Chlorobenzene	25		ug/L	U	Soil	OU
CFA725UC34101GVTV	CFA-38	VOASXTCLP	Chlorobenzene	25		ug/L	U	Soil	OU
CFA725UC34201GVTV	CFA-38	VOASXTCLP	Chlorobenzene	25		ug/L	U	Soil	OU
CFA725UC34301GVTV	CFA-38	VOASXTCLP	Chlorobenzene	25		ug/L	U	Soil	OU
CFA725UC34401GVTV	CFA-38	VOASXTCLP	Chlorobenzene	25		ug/L	U	Soil	OU
CFA725UC34501GVTV	CFA-38	VOASXTCLP	Chlorobenzene	25		ug/L	U	Soil	OU
CFA725UC34601GVTV	CFA-38	VOASXTCLP	Chlorobenzene	25		ug/L	U	Soil	OU
CFA725UC34701GVTV	CFA-38	VOASXTCLP	Chlorobenzene	25		ug/L	U	Soil	OU
CFA725UC34001GVTV	CFA-38	VOASXTCLP	Chloroform	25		ug/L	U	Soil	OU
CFA725UC34101GVTV	CFA-38	VOASXTCLP	Chloroform	25		ug/L	U	Soil	OU
CFA725UC34201GVTV	CFA-38	VOASXTCLP	Chloroform	25		ug/L	U	Soil	OU
CFA725UC34301GVTV	CFA-38	VOASXTCLP	Chloroform	25		ug/L	U	Soil	OU
CFA725UC34401GVTV	CFA-38	VOASXTCLP	Chloroform	25		ug/L	U	Soil	OU

Table K-4-17. (continued).

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	L
CFA725UC34501GVTV	CFA-38	VOASXTCLP	Chloroform	25		ug/L	U	Soil	OU
CFA725UC34601GVTV	CFA-38	VOASXTCLP	Chloroform	25		ug/L	U	Soil	OU
CFA725UC34701GVTV	CFA-38	VOASXTCLP	Chloroform	25		ug/L	U	Soil	OU
CFA725UC34001GVTV	CFA-38	VOASXTCLP	Tetrachloroethene	10		ug/L	J	Soil	OU
CFA725UC34101GVTV	CFA-38	VOASXTCLP	Tetrachloroethene	25		ug/L	U	Soil	OU
CFA725UC34201GVTV	CFA-38	VOASXTCLP	Tetrachloroethene	25		ug/L	U	Soil	OU
CFA725UC34301GVTV	CFA-38	VOASXTCLP	Tetrachloroethene	25		ug/L	U	Soil	OU
CFA725UC34401GVTV	CFA-38	VOASXTCLP	Tetrachloroethene	25		ug/L	U	Soil	OU
CFA725UC34501GVTV	CFA-38	VOASXTCLP	Tetrachloroethene	25		ug/L	U	Soil	OU
CFA725UC34601GVTV	CFA-38	VOASXTCLP	Tetrachloroethene	25		ug/L	U	Soil	OU
CFA725UC34701GVTV	CFA-38	VOASXTCLP	Tetrachloroethene	25		ug/L	U	Soil	OU
CFA725UC34001GVTV	CFA-38	VOASXTCLP	Trichloroethene	30		ug/L		Soil	OU
CFA725UC34101GVTV	CFA-38	VOASXTCLP	Trichloroethene	25		ug/L	U	Soil	OU
CFA725UC34201GVTV	CFA-38	VOASXTCLP	Trichloroethene	25		ug/L	U	Soil	OU
CFA725UC34301GVTV	CFA-38	VOASXTCLP	Trichloroethene	25		ug/L	U	Soil	OU
CFA725UC34401GVTV	CFA-38	VOASXTCLP	Trichloroethene	25		ug/L	U	Soil	OU
CFA725UC34501GVTV	CFA-38	VOASXTCLP	Trichloroethene	25		ug/L	U	Soil	OU
CFA725UC34601GVTV	CFA-38	VOASXTCLP	Trichloroethene	25		ug/L	U	Soil	OU
CFA725UC34701GVTV	CFA-38	VOASXTCLP	Trichloroethene	25		ug/L	U	Soil	OU
CFA725UC34001GVTV	CFA-38	VOASXTCLP	Vinyl Chloride	50		ug/L	U	Soil	OU
CFA725UC34101GVTV	CFA-38	VOASXTCLP	Vinyl Chloride	50		ug/L	U	Soil	OU
CFA725UC34201GVTV	CFA-38	VOASXTCLP	Vinyl Chloride	50		ug/L	U	Soil	OU
CFA725UC34301GVTV	CFA-38	VOASXTCLP	Vinyl Chloride	50		ug/L	U	Soil	OU
CFA725UC34401GVTV	CFA-38	VOASXTCLP	Vinyl Chloride	50		ug/L	U	Soil	OU
CFA725UC34501GVTV	CFA-38	VOASXTCLP	Vinyl Chloride	50		ug/L	U	Soil	OU
CFA725UC34601GVTV	CFA-38	VOASXTCLP	Vinyl Chloride	50		ug/L	U	Soil	OU

Table K-4-17. (continued).

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	Type Location	Location	Depth Range	S Date	VAL
CFA725UC34701GVTV	CFA-38	VOASXTCLP	Vinyl Chloride	50		ug/L	U	Soil	OU4-03/UST	CFA725	7	5/13/92	C

Table K-4-18. Summary of contaminant concentrations at CFA-40.

Contaminant	Known/Estimated Concentration of Hazardous Substances/Constituents (mg/kg)
Total Petroleum Hydrocarbons (TPH)	<625
Benzene	1
Toluene	3
Ethyl Benzene	3
Xylene	3
Naphthalene	4
Methylnapthalene	1
Ethylene Glycol	Nd[a](5)

a. ND denotes not detected, detection limit given in parenthesis.

Table K-4-19. Summary of contaminant concentrations at CFA-41.

Contaminant	Known/Estimated Concentration of Hazardous Substances/Constituents (mg/kg)
Total Petroleum Hydrocarbons (TPH)	>1E+03[b]
Benzene	ND
Toluene	2J[c]
Ethyl Benzene	ND
Xylene	ND
Napthalene	ND
Methylnapthalene	ND
Ethylene Glycol	ND

a. ND denotes not detected

b. Estimated value

c. J = estimated value

Table K-4-20. CFA-48 chemical washout area validated Track 2 sampling and analysis results.[a]

Analysis	Analyte	407S0101C1 Concentration Detected (mg/kg)	Background Concentration (mg/kg)[b]
Anions	Bromide	ND (2.1)[c]	X
	Chloride	12.0	X
	Fluoride	ND (2.9)	X
	Nitrite	ND (1.43)	X
	Nitrate	5.01	X
	Phosphate	ND (1.4)	X
	Sulfate	13.6	X
CLP metals	Aluminum	5,690	16,000
	Antimony	ND (6.4)	4.8
	Arsenic	3.2J[d]	5.8
	Barium	128	300
	Beryllium	0.41	1.8
	Cadmium	ND (0.73)	2.2
	Calcium	21,300	24,000
	Chromium	19.2	33
	Cobalt	5.6	11
	Copper	15.5	22
	Iron	11,600	24,000
	Lead	**43.1**[e]	17
	Magnesium	3,680	12,000
	Manganese	214	490
	Mercury	**0.18**	0.050
	Nickel	17.4	35
	Potassium	1,180	4,300
	Selenium	ND (0.35)	0.22
	Silver	2.4	X
	Sodium	1.27	320
	Thallium	ND (0.57)	0.43
	Vanadium	20.7	45
	Zinc	73.3J	150
Gamma Spectroscopy	Cs-137	2.40E-01 pCi/g	1.28E+00

a. Gianotto, et al., 1996, Preliminary Scoping Track 2 Summary Report for Central Facilities Area Operable Unit 4-09 (incorporating Selected Sites from Operable Units 4-03 and 4-07) and CFA French Drain Removals, INEL-95/0586, Revision 0.

b. Background concentrations for composite (95%/95% UTL) taken from Background Dose Equivalent Rates and Surficial Soil Metal and Radionuclide Concentrations for the Idaho National Engineering Laboratory, Rev. 1, February 1996, INEL-96/0250.

c. ND denotes not detected (detection limit given in parentheses).

d. Validation flags assigned to data: J denotes an estimated value.

e. Values above background are bolded and underlined.

Table K-4-21. Data for CFA-50.

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q	Flags	Matrix	Type	Location
450V0101C1	CFA-50	INORG	Aluminum	3050		mg/kg		P	Soil	French Drain	S
450V0201C1	CFA-50	INORG	Aluminum	2730		mg/kg		P	Soil	French Drain	S
450V0301C1	CFA-50	INORG	Aluminum	2970		mg/kg		P	Soil	French Drain	S
450V0101C1	CFA-50	INORG	Antimony	5.7		mg/kg	U	P	Soil	French Drain	S
450V0201C1	CFA-50	INORG	Antimony	5.7		mg/kg	U	P	Soil	French Drain	S
450V0301C1	CFA-50	INORG	Antimony	5.7		mg/kg	U	P	Soil	French Drain	S
450V0101C1	CFA-50	INORG	Arsenic	3.1		mg/kg		F	Soil	French Drain	S
450V0201C1	CFA-50	INORG	Arsenic	2.7		mg/kg		F	Soil	French Drain	S
450V0301C1	CFA-50	INORG	Arsenic	2.9		mg/kg		F	Soil	French Drain	S
450V0101C1	CFA-50	INORG	Barium	78.1		mg/kg		P	Soil	French Drain	S
450V0201C1	CFA-50	INORG	Barium	71.2		mg/kg		P	Soil	French Drain	S
450V0301C1	CFA-50	INORG	Barium	81.5		mg/kg		P	Soil	French Drain	S
450V0101C1	CFA-50	INORG	Beryllium	0.15		mg/kg	U	P	Soil	French Drain	S
450V0201C1	CFA-50	INORG	Beryllium	0.24		mg/kg	BUJ	P	Soil	French Drain	S
450V0301C1	CFA-50	INORG	Beryllium	0.15		mg/kg	U	P	Soil	French Drain	S
450V0101C1	CFA-50	INORG	Cadmium	1.1		mg/kg	U	P	Soil	French Drain	S
450V0201C1	CFA-50	INORG	Cadmium	1		mg/kg	BU	P	Soil	French Drain	S
450V0301C1	CFA-50	INORG	Cadmium	2.1		mg/kg	U	P	Soil	French Drain	S
450V0101C1	CFA-50	INORG	Calcium	20600		mg/kg		P	Soil	French Drain	S
450V0201C1	CFA-50	INORG	Calcium	57600		mg/kg		P	Soil	French Drain	S
450V0301C1	CFA-50	INORG	Calcium	19300		mg/kg		P	Soil	French Drain	S
450V0101C1	CFA-50	INORG	Chromium	15.5		mg/kg	*	P	Soil	French Drain	S
450V0201C1	CFA-50	INORG	Chromium	11.3		mg/kg	*	P	Soil	French Drain	S
450V0301C1	CFA-50	INORG	Chromium	15.5		mg/kg	*	P	Soil	French Drain	S
450V0101C1	CFA-50	INORG	Cobalt	4.2		mg/kg	B	P	Soil	French Drain	S
450V0201C1	CFA-50	INORG	Cobalt	3.2		mg/kg	BJ	P	Soil	French Drain	S

Table K-4-21. (continued)

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q	Flags	Matrix	Type Location	
450V0301C1	CFA-50	INORG	Cobalt	3.4		mg/kg	B	P	Soil	French Drain	S
450V0101C1	CFA-50	INORG	Copper	14.2		mg/kg		P	Soil	French Drain	S
450V0201C1	CFA-50	INORG	Copper	9.6		mg/kg		P	Soil	French Drain	S
450V0301C1	CFA-50	INORG	Copper	13.6		mg/kg		P	Soil	French Drain	S
450V0101C1	CFA-50	INORG	Iron	7830		mg/kg		P	Soil	French Drain	S
450V0201C1	CFA-50	INORG	Iron	7290		mg/kg		P	Soil	French Drain	S
450V0301C1	CFA-50	INORG	Iron	7440		mg/kg		P	Soil	French Drain	S
450V0101C1	CFA-50	INORG	Lead	25.1		mg/kg	*	F	Soil	French Drain	S
450V0201C1	CFA-50	INORG	Lead	7		mg/kg	S*	F	Soil	French Drain	S
450V0301C1	CFA-50	INORG	Lead	21		mg/kg	*	F	Soil	French Drain	S
450V0101C1	CFA-50	INORG	Magnesium	2840		mg/kg		P	Soil	French Drain	S
450V0201C1	CFA-50	INORG	Magnesium	3110		mg/kg		P	Soil	French Drain	S
450V0301C1	CFA-50	INORG	Magnesium	2670		mg/kg		P	Soil	French Drain	S
450V0101C1	CFA-50	INORG	Manganese	116		mg/kg		P	Soil	French Drain	S
450V0201C1	CFA-50	INORG	Manganese	106		mg/kg		P	Soil	French Drain	S
450V0301C1	CFA-50	INORG	Manganese	123		mg/kg		P	Soil	French Drain	S
450V0101C1	CFA-50	INORG	Mercury	0.05		mg/kg	U	AV	Soil	French Drain	S
450V0201C1	CFA-50	INORG	Mercury	0.05		mg/kg	U	AV	Soil	French Drain	S
450V0301C1	CFA-50	INORG	Mercury	0.05		mg/kg	U	AV	Soil	French Drain	S
450V0101C1	CFA-50	INORG	Nickel	18.2		mg/kg		P	Soil	French Drain	S
450V0201C1	CFA-50	INORG	Nickel	14.7		mg/kg	J	P	Soil	French Drain	S
450V0301C1	CFA-50	INORG	Nickel	12.8		mg/kg		P	Soil	French Drain	S
450V0101C1	CFA-50	INORG	Potassium	537		mg/kg	B	P	Soil	French Drain	S
450V0201C1	CFA-50	INORG	Potassium	521		mg/kg	B	P	Soil	French Drain	S
450V0301C1	CFA-50	INORG	Potassium	560		mg/kg	B	P	Soil	French Drain	S
450V0101C1	CFA-50	INORG	Selenium	0.36		mg/kg	B	F	Soil	French Drain	S

Table K-4-21. (continued)

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q	Flags	Matrix	Type Location	
450V0201C1	CFA-50	INORG	Selenium	0.32		mg/kg	U	F	Soil	French Drain	S
450V0301C1	CFA-50	INORG	Selenium	0.32		mg/kg	UW	F	Soil	French Drain	S
450V0101C1	CFA-50	INORG	Silver	0.53		mg/kg	U	P	Soil	French Drain	S
450V0201C1	CFA-50	INORG	Silver	0.53		mg/kg	U	P	Soil	French Drain	S
450V0301C1	CFA-50	INORG	Silver	0.53		mg/kg	U	P	Soil	French Drain	S
450V0101C1	CFA-50	INORG	Sodium	112		mg/kg	B	P	Soil	French Drain	S
450V0201C1	CFA-50	INORG	Sodium	127		mg/kg	B	P	Soil	French Drain	S
450V0301C1	CFA-50	INORG	Sodium	124		mg/kg	B	P	Soil	French Drain	S
450V0101C1	CFA-50	INORG	Thallium	0.48		mg/kg	BU	F	Soil	French Drain	S
450V0201C1	CFA-50	INORG	Thallium	0.42		mg/kg	U	F	Soil	French Drain	S
450V0301C1	CFA-50	INORG	Thallium	0.42		mg/kg	U	F	Soil	French Drain	S
450V0101C1	CFA-50	INORG	Vanadium	16.7		mg/kg		P	Soil	French Drain	S
450V0201C1	CFA-50	INORG	Vanadium	16		mg/kg		P	Soil	French Drain	S
450V0301C1	CFA-50	INORG	Vanadium	15.8		mg/kg		P	Soil	French Drain	S
450V0101C1	CFA-50	INORG	Zinc	86.6		mg/kg	*	P	Soil	French Drain	S
450V0201C1	CFA-50	INORG	Zinc	41.7		mg/kg	*	P	Soil	French Drain	S
450V0301C1	CFA-50	INORG	Zinc	81.1		mg/kg	*	P	Soil	French Drain	S
450V0101CV	CFA-50	VOAS - CLP	1,1,1-Trichloroethane	11		ug/kg	U		Solid	French Drain	S
450V0201CV	CFA-50	VOAS - CLP	1,1,1-Trichloroethane	10		ug/kg	U		Solid	French Drain	S
450V0301CV	CFA-50	VOAS - CLP	1,1,1-Trichloroethane	11		ug/kg	U		Solid	French Drain	S
450V0101CV	CFA-50	VOAS - CLP	1,1,2,2-Tetrachloroethane	11		ug/kg	U		Solid	French Drain	S
450V0201CV	CFA-50	VOAS - CLP	1,1,2,2-Tetrachloroethane	10		ug/kg	U		Solid	French Drain	S
450V0301CV	CFA-50	VOAS - CLP	1,1,2,2-Tetrachloroethane	11		ug/kg	U		Solid	French Drain	S
450V0101CV	CFA-50	VOAS - CLP	1,1,2-Trichloroethane	11		ug/kg	U		Solid	French Drain	S
450V0201CV	CFA-50	VOAS - CLP	1,1,2-Trichloroethane	10		ug/kg	U		Solid	French Drain	S
450V0301CV	CFA-50	VOAS - CLP	1,1,2-Trichloroethane	11		ug/kg	U		Solid	French Drain	S

Table K-4-21. (continued)

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	Type Location	
450V0101CV	CFA-50	VOAS - CLP	1,1-Dichloroethane	11		ug/kg	U	Solid	French Drain	S
450V0201CV	CFA-50	VOAS - CLP	1,1-Dichloroethane	10		ug/kg	U	Solid	French Drain	S
450V0301CV	CFA-50	VOAS - CLP	1,1-Dichloroethane	11		ug/kg	U	Solid	French Drain	S
450V0101CV	CFA-50	VOAS - CLP	1,1-Dichloroethene	11		ug/kg	U	Solid	French Drain	S
450V0201CV	CFA-50	VOAS - CLP	1,1-Dichloroethene	10		ug/kg	U	Solid	French Drain	S
450V0301CV	CFA-50	VOAS - CLP	1,1-Dichloroethene	11		ug/kg	U	Solid	French Drain	S
450V0101CV	CFA-50	VOAS - CLP	1,2-Dichloroethane	11		ug/kg	U	Solid	French Drain	S
450V0201CV	CFA-50	VOAS - CLP	1,2-Dichloroethane	10		ug/kg	U	Solid	French Drain	S
450V0301CV	CFA-50	VOAS - CLP	1,2-Dichloroethane	11		ug/kg	U	Solid	French Drain	S
450V0101CV	CFA-50	VOAS - CLP	1,2-Dichloroethene (total)	11		ug/kg	U	Solid	French Drain	S
450V0201CV	CFA-50	VOAS - CLP	1,2-Dichloroethene (total)	10		ug/kg	U	Solid	French Drain	S
450V0301CV	CFA-50	VOAS - CLP	1,2-Dichloroethene (total)	11		ug/kg	U	Solid	French Drain	S
450V0101CV	CFA-50	VOAS - CLP	1,2-Dichloropropane	11		ug/kg	U	Solid	French Drain	S
450V0201CV	CFA-50	VOAS - CLP	1,2-Dichloropropane	10		ug/kg	U	Solid	French Drain	S
450V0301CV	CFA-50	VOAS - CLP	1,2-Dichloropropane	11		ug/kg	U	Solid	French Drain	S
450V0101CV	CFA-50	VOAS - CLP	2-Butanone	11		ug/kg	U	Solid	French Drain	S
450V0201CV	CFA-50	VOAS - CLP	2-Butanone	10		ug/kg	U	Solid	French Drain	S
450V0301CV	CFA-50	VOAS - CLP	2-Butanone	11		ug/kg	U	Solid	French Drain	S
450V0101CV	CFA-50	VOAS - CLP	2-Hexanone	11		ug/kg	U	Solid	French Drain	S
450V0201CV	CFA-50	VOAS - CLP	2-Hexanone	10		ug/kg	U	Solid	French Drain	S
450V0301CV	CFA-50	VOAS - CLP	2-Hexanone	11		ug/kg	U	Solid	French Drain	S
450V0101CV	CFA-50	VOAS - CLP	4-Methyl-2-Pentanone	11		ug/kg	U	Solid	French Drain	S
450V0201CV	CFA-50	VOAS - CLP	4-Methyl-2-Pentanone	10		ug/kg	U	Solid	French Drain	S
450V0301CV	CFA-50	VOAS - CLP	4-Methyl-2-Pentanone	11		ug/kg	U	Solid	French Drain	S
450V0101CV	CFA-50	VOAS - CLP	Acetone	11		ug/kg	U	Solid	French Drain	S
450V0201CV	CFA-50	VOAS - CLP	Acetone	10		ug/kg	U	Solid	French Drain	S

Table K-4-21. (continued)

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	Type Location	
450V0301CV	CFA-50	VOAS - CLP	Acetone	11		ug/kg	U	Solid	French Drain	S
450V0101CV	CFA-50	VOAS - CLP	Benzene	11		ug/kg	U	Solid	French Drain	S
450V0201CV	CFA-50	VOAS - CLP	Benzene	10		ug/kg	U	Solid	French Drain	S
450V0301CV	CFA-50	VOAS - CLP	Benzene	11		ug/kg	U	Solid	French Drain	S
450V0101CV	CFA-50	VOAS - CLP	Bromodichloromethane	11		ug/kg	U	Solid	French Drain	S
450V0201CV	CFA-50	VOAS - CLP	Bromodichloromethane	10		ug/kg	U	Solid	French Drain	S
450V0301CV	CFA-50	VOAS - CLP	Bromodichloromethane	11		ug/kg	U	Solid	French Drain	S
450V0101CV	CFA-50	VOAS - CLP	Bromoform	11		ug/kg	U	Solid	French Drain	S
450V0201CV	CFA-50	VOAS - CLP	Bromoform	10		ug/kg	U	Solid	French Drain	S
450V0301CV	CFA-50	VOAS - CLP	Bromoform	11		ug/kg	U	Solid	French Drain	S
450V0101CV	CFA-50	VOAS - CLP	Bromomethane	11		ug/kg	U	Solid	French Drain	S
450V0201CV	CFA-50	VOAS - CLP	Bromomethane	10		ug/kg	U	Solid	French Drain	S
450V0301CV	CFA-50	VOAS - CLP	Bromomethane	11		ug/kg	U	Solid	French Drain	S
450V0101CV	CFA-50	VOAS - CLP	Carbon Disulfide	11		ug/kg	U	Solid	French Drain	S
450V0201CV	CFA-50	VOAS - CLP	Carbon Disulfide	10		ug/kg	U	Solid	French Drain	S
450V0301CV	CFA-50	VOAS - CLP	Carbon Disulfide	11		ug/kg	U	Solid	French Drain	S
450V0101CV	CFA-50	VOAS - CLP	Carbon Tetrachloride	11		ug/kg	U	Solid	French Drain	S
450V0201CV	CFA-50	VOAS - CLP	Carbon Tetrachloride	10		ug/kg	U	Solid	French Drain	S
450V0301CV	CFA-50	VOAS - CLP	Carbon Tetrachloride	11		ug/kg	U	Solid	French Drain	S
450V0101CV	CFA-50	VOAS - CLP	Chlorobenzene	11		ug/kg	U	Solid	French Drain	S
450V0201CV	CFA-50	VOAS - CLP	Chlorobenzene	10		ug/kg	U	Solid	French Drain	S
450V0301CV	CFA-50	VOAS - CLP	Chlorobenzene	11		ug/kg	U	Solid	French Drain	S
450V0101CV	CFA-50	VOAS - CLP	Chloroethane	11		ug/kg	U	Solid	French Drain	S
450V0201CV	CFA-50	VOAS - CLP	Chloroethane	10		ug/kg	U	Solid	French Drain	S
450V0301CV	CFA-50	VOAS - CLP	Chloroethane	11		ug/kg	U	Solid	French Drain	S
450V0101CV	CFA-50	VOAS - CLP	Chloroform	11		ug/kg	U	Solid	French Drain	S

Table K-4-21. (continued)

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	Type Location	
450V0201CV	CFA-50	VOAS - CLP	Chloroform	10		ug/kg	U	Solid	French Drain	S
450V0301CV	CFA-50	VOAS - CLP	Chloroform	11		ug/kg	U	Solid	French Drain	S
450V0101CV	CFA-50	VOAS - CLP	Chloromethane	11		ug/kg	U	Solid	French Drain	S
450V0201CV	CFA-50	VOAS - CLP	Chloromethane	10		ug/kg	U	Solid	French Drain	S
450V0301CV	CFA-50	VOAS - CLP	Chloromethane	11		ug/kg	U	Solid	French Drain	S
450V0101CV	CFA-50	VOAS - CLP	Dibromochloromethane	11		ug/kg	U	Solid	French Drain	S
450V0201CV	CFA-50	VOAS - CLP	Dibromochloromethane	10		ug/kg	U	Solid	French Drain	S
450V0301CV	CFA-50	VOAS - CLP	Dibromochloromethane	11		ug/kg	U	Solid	French Drain	S
450V0101CV	CFA-50	VOAS - CLP	Ethylbenzene	11		ug/kg	U	Solid	French Drain	S
450V0201CV	CFA-50	VOAS - CLP	Ethylbenzene	10		ug/kg	U	Solid	French Drain	S
450V0301CV	CFA-50	VOAS - CLP	Ethylbenzene	11		ug/kg	U	Solid	French Drain	S
450V0101CV	CFA-50	VOAS - CLP	Methylene Chloride	11		ug/kg	U	Solid	French Drain	S
450V0201CV	CFA-50	VOAS - CLP	Methylene Chloride	10		ug/kg	U	Solid	French Drain	S
450V0301CV	CFA-50	VOAS - CLP	Methylene Chloride	11		ug/kg	U	Solid	French Drain	S
450V0101CV	CFA-50	VOAS - CLP	Styrene	11		ug/kg	U	Solid	French Drain	S
450V0201CV	CFA-50	VOAS - CLP	Styrene	10		ug/kg	U	Solid	French Drain	S
450V0301CV	CFA-50	VOAS - CLP	Styrene	11		ug/kg	U	Solid	French Drain	S
450V0101CV	CFA-50	VOAS - CLP	Tetrachloroethene	11		ug/kg	U	Solid	French Drain	S
450V0201CV	CFA-50	VOAS - CLP	Tetrachloroethene	10		ug/kg	U	Solid	French Drain	S
450V0301CV	CFA-50	VOAS - CLP	Tetrachloroethene	11		ug/kg	U	Solid	French Drain	S
450V0101CV	CFA-50	VOAS - CLP	Toluene	11		ug/kg	U	Solid	French Drain	S
450V0201CV	CFA-50	VOAS - CLP	Toluene	10		ug/kg	U	Solid	French Drain	S
450V0301CV	CFA-50	VOAS - CLP	Toluene	11		ug/kg	U	Solid	French Drain	S
450V0101CV	CFA-50	VOAS - CLP	Trichloroethene	11		ug/kg	U	Solid	French Drain	S
450V0201CV	CFA-50	VOAS - CLP	Trichloroethene	10		ug/kg	U	Solid	French Drain	S
450V0301CV	CFA-50	VOAS - CLP	Trichloroethene	11		ug/kg	U	Solid	French Drain	S

Table K-4-21. (continued)

Sample Number	Area	Analysis Type	Compound Name	Concentration	Uncertainty	Units	Q Flags	Matrix	Type Location	
450V0101CV	CFA-50	VOAS - CLP	Vinyl Chloride	11		ug/kg	U	Solid	French Drain	S
450V0201CV	CFA-50	VOAS - CLP	Vinyl Chloride	10		ug/kg	U	Solid	French Drain	S
450V0301CV	CFA-50	VOAS - CLP	Vinyl Chloride	11		ug/kg	U	Solid	French Drain	S
450V0101CV	CFA-50	VOAS - CLP	Xylene (total)	11		ug/kg	U	Solid	French Drain	S
450V0201CV	CFA-50	VOAS - CLP	Xylene (total)	10		ug/kg	U	Solid	French Drain	S
450V0301CV	CFA-50	VOAS - CLP	Xylene (total)	11		ug/kg	U	Solid	French Drain	S
450V0101CV	CFA-50	VOAS - CLP	cis-1,3-Dichloropropene	11		ug/kg	U	Solid	French Drain	S
450V0201CV	CFA-50	VOAS - CLP	cis-1,3-Dichloropropene	10		ug/kg	U	Solid	French Drain	S
450V0301CV	CFA-50	VOAS - CLP	cis-1,3-Dichloropropene	11		ug/kg	U	Solid	French Drain	S
450V0101CV	CFA-50	VOAS - CLP	trans-1,3-Dichloropropene	11		ug/kg	U	Solid	French Drain	S
450V0201CV	CFA-50	VOAS - CLP	trans-1,3-Dichloropropene	10		ug/kg	U	Solid	French Drain	S
450V0301CV	CFA-50	VOAS - CLP	trans-1,3-Dichloropropene	11		ug/kg	U	Solid	French Drain	S

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